Owners Manual

TEC ELECTRONIC CASH REGISTER

MA-290-100 SERIES

TEC TOKYO ELECTRIC CO.,LTD.

TABLE OF CONTENTS

TO OUR CUSTOMERS

Thank you for choosing a TEC electronic cash register MA-290-100 series. This instruction manual provides a description of the functions and handling of this register and should be read carefully to obtain maximum performance. Since every consideration has been given to safety, there is no danger of damaging the machine by incorrect operation.

Please refer to this manual whenever you have any doubts concerning the machine. This machine has been manufactured under strict quality control and should give you full satisfaction. However, if the machine is damaged during transit, or there are any unclear points in this manual, please contact your local TEC representative.

   [] The specifications described in this manual may be modified by TEC, if necessary.
   [] Be sure to keep this manual for future reference.

PRECAUTIONS

1. The keys on the keyboard work with a light touch. Avoid pressing the keys too hard.
2. Avoid handling the machine with wet hands.
3. Do not apply thinner or other volatile oils to the cabinet or other plastic parts. If dirty, wipe off with a piece of cloth soaked in neutral detergent and squeezed tightly.

APPEARANCE AND NOMENCLATURE
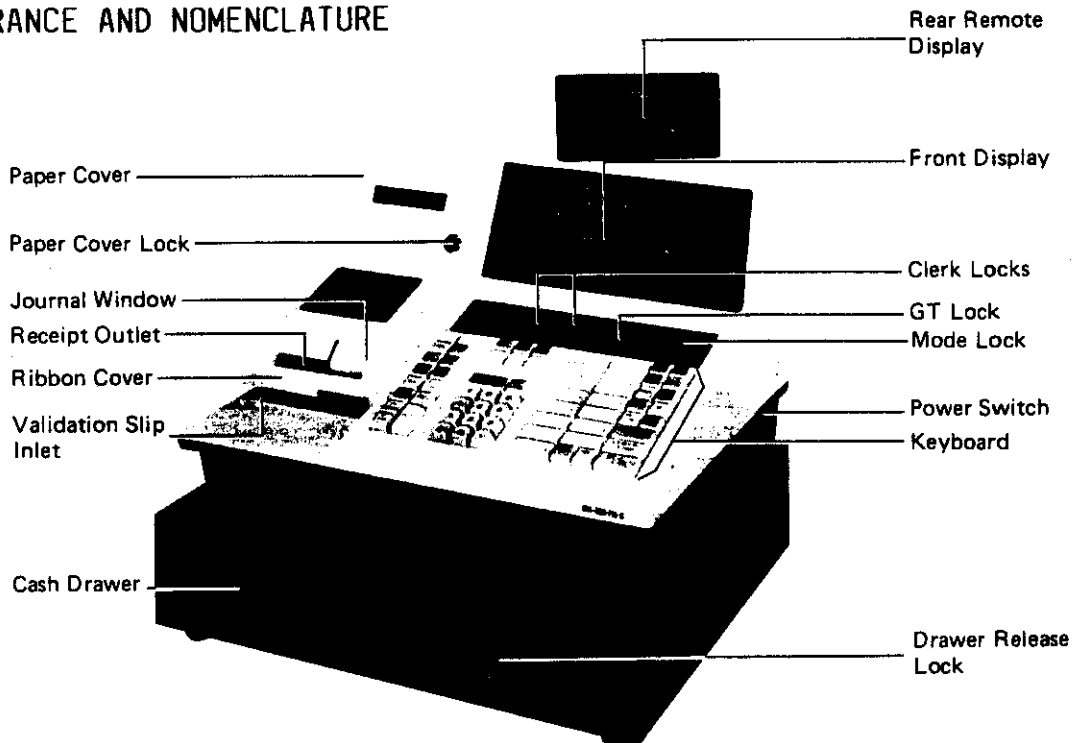
   [] **Power Switch** ... The power switch is provided at the righthand side of the cabinet. The AC power is turned on when the switch is pushed to ON, and turned off when the switch is pushed to OFF.

CONTROL LOCKS AND MODE SELECTOR KEYS

MODE LOCK

(POSITION)   (FUNCTION)
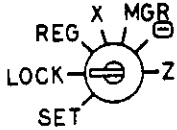
LOCK ..... The register operations are locked when the Mode Lock is set to this position, except the [RF] and [JF] key functions. Displays the current time.

REG ...... Normal cash register operations are carried out in this mode. However, the operations using the keys that have been programmed to require the "MGR" position cannot be operated in this mode.

X .... The sale totals can be read and the programmed data can be verified in this position.

MGR ...... This position allows to register all normal cash register operations to be carried out in the REG mode and the operations using the keys that have been programmed to require the MGR position.

⊟ ...... This key is the "Negative Mode", which automatically processes all the entries in the reverse way, i.e., positive items into negative, and the negative into positive.

Z .... All the resettable totals and their repective counters will be read <u>and</u> reset in this position.

SET ...... In this position, the register will allow programming operations.
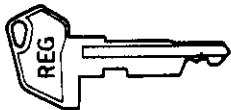
REG Key The REG Key is used by the clerk who operates the register. This key can access the positions of LOCK and REG.
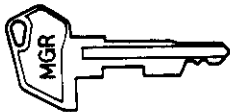
MGR Key The MGR Key is used by the store manager or a person authorized by the manager. This key can access the positions of LOCK, REG, X, and MGR.
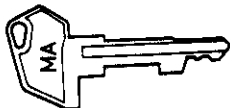
MA Key The MA Key is used by the store manager who will daily supervise the collection of money and the printout of transactions recorded by the register. This key can access the positions of LOCK, REG, X, MGR, ⊟ , and Z.

SET Key The SET Key is used by the programmer. This key can access the positions of LOCK and SET.

GT LOCK

This lock is provided to read or reset the accumulated sales totals not on the daily but on weekly or monthly basis.

GTX •┌GTX
┌─GTZ

GTX Position:

This position allows to read the accumulated totals.

The **GTX Key** as well as **GTZ Key** can access this position.
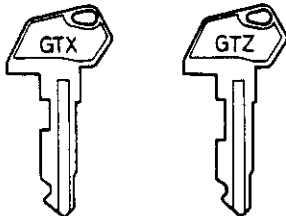
GTZ Position:

This position allows to read <u>and</u> reset the accumulated totals.

The **GTZ Key** only can access this position.

NOTE: When the GT Lock is turned to either the GTX or GTZ position, the Mode Lock position will be disregarded.

CLERK LOCKS

Lock-and-Key Type (Standard)

These locks are used to identify which clerk is operating the register.

1 • 2   3 • 4
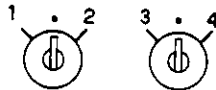
Clerk Keys (CL1, CL2, CL3, CL4)
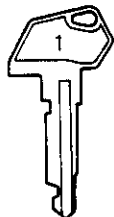
Each clerk should keep his/her clerk key. The register will not operate in the "REG", "MGR", or " |-| " mode unless one of these keys is inserted and set to the corresponding position on the Clerk Locks. Each of the keys may be inserted and pulled out in the neutral position marked with the "." (point).

Push-key Type (Alternative Option, for ten clerks)

1	2	3	4	5
6	7	8	9	10

This type may be installed in place of the Clerk Locks above, as an alternative option. In that case, ten clerk keys will be installed. Each clerk is assigned to his/her own clerk key (1 through 10). The register will not operate unless one of these keys is pushed to stay down, just as the Lock-and-Key Type Clerk Keys.

DISPLAY

The Operator's Display (front display) is located at the top of the register just above the keyboard. The Customer's Display may be used as Rear Display, or used as Remote Display if it is popped up and turned to the required direction. The display has two types of display -- numeric display and message descriptors.
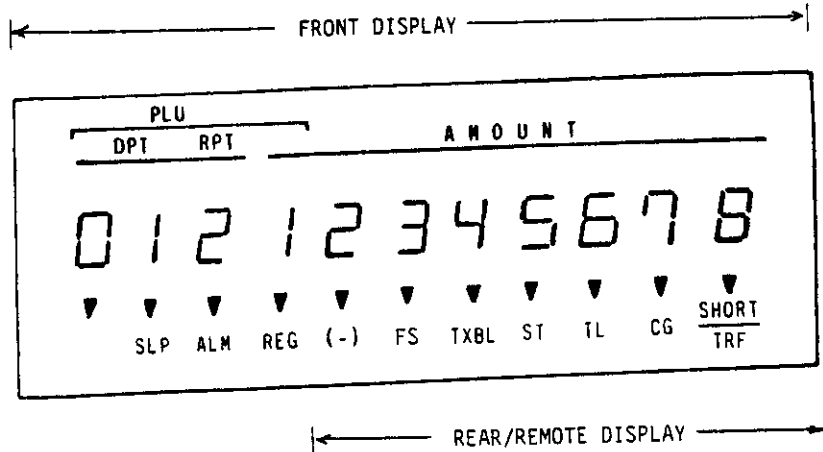
Numeric Display

AMOUNT (8 digits) Displays the numeric data, such as amount, quantity, etc.

DPT (2 digits) Displays the code which represents each Department Key. It stays lit when repeating the same department entry.

RPT (1 digit) Displays the repeat count of the same department or PLU item. The count is indicated from the second entry on, and only the first digit will be displayed even if the count exceeds nine.

PLU (4 digits, shares common digits with DPT, RPT digits, and the leftmost AMOUNT digit.)

Displays the PLU code when ay PLU is entered. It goes out when repeating the same PLU entry.

Message Descriptors (Trimark Lamps)

Leftmost Trimark Lamp

Lights up when an item is entered through the scale connected to the register.
It also lights up or flickers if the register is connected to an in-line cable (Register-to-Register System), which will be described in detail in a separate manual.

SLP Lights up when a slip has properly been inserted and set to allow validation print.
It flickers to require a slip insertion when validation compulsion has been programmed on the transaction key just operated.

ALM   Lights up with the alarm tone to indicate that the last operation
           or numeric entry has resulted in an error. To clear the error
           condition, depress the [C] key.

REG   Lights up when sale items have been registered.

(-)   Lights up when a negative amount such as Returned Merchandise and
           Dollar Discount, has been entered.
           It also lights up when the [ST] key or one of the total keys has
           been depressed and the displayed amount is negative.

FS   Lights up when a Department or PLU item of the Food-Stampable
           status is entered.
           It also lights up with the "ST" lamp lit when the [FSTL/TL] key
           is depressed.

TXBL   Lights up when a Department or PLU item of a taxable status is
           entered.
           It also lights up with the "ST" lamp lit when the [TXBL TL] key
           is depressed to read the taxable total (subtotal + taxes).

ST   Lights up when the subtotal amount (without taxes) is displayed
           after the [ST] key has been depressed.

TL   Lights up on a finalizing operation with the total amount (with
           taxes) displayed when finalized without any amount tendered.

CG   When an amount tendering operation has been performed, this lamp
           lights up with the change due displayed.

SHORT   Lights up when the amount tendered is less than the sale total
 TRF   with the shortage amount displayed.
           Lights up also when all the sale balance is transferred to the
           new sale balanace for post charging.

KEYBOARD LAYOUT

The figure on the next page shows a typical keyboard layout for the MA-290-100
series. Since this series is designed to be capable of programming most of
the keys to be placed in the desired place on the keyboard, this is merely an
example. Please ask your TEC representative if any other alternative or
additional keys must be installed, referring to the description of the
"FUNCTION OF EACH KEY" and "OTHER OPTIONAL KEYS" in this manual.

The three vacant keys in the figure will be determined by the customer's
requirements to be used as additional function keys (or not to be used if no
other functions are necessary).

Of all the keys, the numeric keys and the [RECEIPT ON/OFF] switch are fixed as
to their locations.

ON
OFF
RECEIPT

RF	JF
NS	STOCK
SI/M	SI/TL
BTL RTN	RTN MDSE
%+	@/FOR
%-	AMT
PR OPEN	PLU
LC OPEN	

VALI DATE	VOID	ITEM CORR

C		TX/M
7	8	9
4	5	6
1	2	3
0	00	.

1		9	CARD NO	VND CPN
2		10	DOLL DISC	EX
3		11	PB+	PB-
4		12	TRF	#
5		13	R/A	PO
6		14	Chg	
7		15	CHECK TEND	
8	ST	TXBL TL	AT/TL	

FUNCTION OF EACH KEY

ON
OFF
RECEIPT

RECEIPT ON/OFF SWITCH [RECEIPT ON/OFF]

This switch has two positions available -- 'OFF' position and 'ON' position. When in the 'OFF' position, no receipt is issued from the register and sales are printed on the journal roll only. When the switch is turned to the 'ON' position, sales are printed on both receipt roll and journal roll, then a receipt is issued which is automatically cut off and given to the customer.

RF

RECEIPT FEED KEY [RF]

This key is used to advance the receipt roll. It is operated by depressing the key and holding it in that position until the paper has advanced to the required position. This key is effective even when the [RECEIPT ON/OFF] switch is in the 'OFF' position. It can be programmed to prohibit receipt feeding during a sale.

JF

JOURNAL FEED KEY [JF]

This key is used to advance the journal roll in the same fashion as the [RF] key. These two keys are useful if the cashier, due perhaps to an interruption whilst ringing up a sale, is unsure which items have already been entered. By using the feed key the cashier can see which figures have actually been printed.

The [RF] and [JF] keys can not be operated simultaneously.

NO-SALE KEY [NS]

NS

This key is used to open the cash drawer while the machine is outside a sale, for the purpose of cash exchange, printer testing, etc. To operate, depress this key once. A non-add number may usually be entered prior to a no-sale operation. However, it can be programmed to be prohibited in a no-sale operation.

STOCK KEY [STOCK]

STOCK

This key is used to issue PLU stock reports in the "X" mode, and to load PLU stocks and set PLU stock status in the "SET" mode.

This key can not be operated in any other position of the Mode Lock.

SELECTIVE ITEMIZATION MODIFIER KEY [SI/M]

SI/M

This key is used to reverse the S.I. (selective itemization) status programmed on each Department or PLU.

To operate, depress the [SI/M] key prior to entering a department or PLU item. The item is then reversed from S.I. to non-S.I. status, or from non-S.I. to S.I status.

As to the S.I. function and application, refer to the [SI/TL] key description below.

SELECTIVE ITEMIZER TOTAL KEY [SI/TL]

SI/TL

This key is used to display and print the selective itemizer content.

> **NOTE: Selective Itemizer Function and Application**
> The "Selective Itemizer" is a temporary total memory for each sale which is active separately from the Main Itemizer (i.e. sale total memory). If certain Department or PLU items are programmed with the S.I. (selective itemization) status, the Selective Itemizer will function to add up amounts of the S.I.-status items in registering a sale, while the Main Itemizer will function to add up all the items in the sale. Thus, near the sale finalization, the cashier may read the SI content. The applications of this function may vary from store to store. For example, many stores use it for counting the service stamps to be issued to the customers according to the sale amount of service-stampable items.

To operate, depress the [SI/TL] key without a numeric key entry during a sale. At this time, the content of the selective itemizer is automatically cleared.

The [ITEM CORR] key does not function to delete the [SI/TL] key entry.

If the "SI/TL Compulsory" option is selected, no finalizing operation will be allowed until the [SI/TL] key is depressed to clear the SI content.

If the "SI/TL Non-print" option is selected, the content of the SI is displayed and printed on the journal but not on the receipt.

If a preset % rate has been programmed on this key, the depression of [SI/TL] automatically calculates the amount based on the preset rate, which is displayed (and printed). Also whether or not this calculated amount affects (add to or subtract from) the sale total is a programmable option. (For example, if "Non-affect" status is selected, the amount calculated and displayed may indicate the number of service stamps to be issued to the customer in some stores; or if "Subtract from the sale" status is selected, the amount indicate the discount rate for special discount sale items in other stores.) If no preset % rate has been programmed, the calculation is based on the rate of 100%. No manual rate entry using the [SI/TL] key will be possible.

BTL RTN — BOTTLE RETURN KEY [BTL RTN]

This is a credit key to enter a bottle return amount. This key can be programmed as either a motorized-inside-sale key or non-motorized-department-linked key.

WHEN PROGRAMMED AS MOTORIZED-INSIDE-SALE KEY

To operate, enter the bottle return amount and then depress the [BTL RTN] key during a sale. The [BTL RTN] functions like a department key.

The amount entered through the [BTL RTN] key must not exceed the subtotal amount unless the "Credit Balance" option is selected.

The amount entered through the [BTL RTN] key will also be limited by its own amount limit setting. To release this limit in registrations, the Mode Lock must be turned to the "MGR" position. The [LC OPEN] key will not be effective in this case.

Quantity extension (multiplication) is possible using the [X] key.

WHEN PROGRAMMED AS NON-MOTORIZED-DEPARTMENT-LINKED KEY

To operate, depress [BTL RTN] either before or after the bottle return amount entry, and then depress the appropriate department key. The amount entry is omitted if a preset department key is used in this case.

The amount entered with [BTL RTN] will subtract the department total memory but not affect the deparment counter memory.

The bottle return amount must not exceed the sale total unless the "Credit Balance" option is selected.

The bottle return amount cannot be entered into PLUs.

The bottle return amount is limited by the HALC of the department through which the amount is entered.

Quantity extension (multiplication) is possible by depressing the [BTL RTN] key during a normal department multiplication sequence.

None of the [RTN MDSE], [VOID], and [STR CPN] keys will function with the [BTL RTN] key in one-item operation sequence.

The tax and SI statuses of the bottle return amount will be ruled by the department through which the amount is entered.

The [BTL RTN] key may be programmed to require the "MGR" position of the Mode Lock.

| RTN |
| MDSE |

RETURNED MERCHANDISE KEY [RTN MDSE]

This key is used to refund money to a customer who has returned goods to the store.

To operate, depress the [RTN MDSE] key during a normal Department or PLU entry sequence (quantity extension is also possible). The amount is automatically printed and deducted from the bill.

This key may be programmed to require the "MGR" postion of the Mode Lock.

| %+ |

PERCENT CHARGE KEY [%+]

This key is used to add a percentage rate to a sale. If the preset percent rate is to be added, depress the [%+] key without a prior numeric entry. If a rate different from the preset one is to be added, enter the desired rate on the numeric keyboard and then depress the [%+] key. The manual rate will take priority.

To operate, depress the [%+] key either immediately after a department, PLU, or positive Previous Balance item if only that item requires the percentage addition, or after the [ST] key if required on the total bill. The percent rate and the amount are printed and will be added to the sale total.

The percent rate may be within the range from 0.001 to 99.999%. The fraction resulted from the percentage calculation is usually programmed to be rounded off. However, it can be programmed to be rounded up or discarded.

Usually, a % key operation after a subtotal is once obtained is allowed any number of times. However, it may be programmed to prohibit it more than once.

| %- |

PERCENT DISCOUNT KEY [%-]

This key operates in the same fashion as the [%+] key except that operation will subtract from instead of adding to a sale. A preset rate independent from that of the [%+] key may be programmed.

```
┌──────┐
│  PR  │
│ OPEN │
└──────┘
```

PRESET OPEN KEY [PR OPEN]

This key is used to modify the status of preset department keys. When the [PR OPEN] key is depressed prior to depressing a preset department key (either before or after the numeric entry), the preset department key is reversed to an open department key and allows amount entry through the numeric keyboard for that item only.

If a preset department is entered with a price through the numeric keyboard using the [PR OPEN] key, repeating the same department key will not repeat the first manually-entered amount but the original preset price will be entered instead. The [RPT] (Repeat) key makes it possible to repeat even the manually-entered price of a preset department key.

The [PR OPEN] key can not be used for a PLU item entry.

```
┌──────┐
│  LC  │
│ OPEN │
└──────┘
```

LISTING CAPACITY OPEN KEY [LC OPEN]

This key is used to release the listing capacity on each Department or media key. To operate, depress the [LC OPEN] key before depressing the department key or media key (either before or after the price or amount entry).

By depressing the [LC OPEN] key, the HALC (High Amount Lisiting Capacity) will be released to allow a numeric entry with two further digits, and the LALC (Low Amount Listing Capacity) will be one digit less than the programmed value, as to the department keys. As for the media keys, the HALC will be extended to allow one further digits.

The [LC OPEN] key will not function to release the amount limit setting on each of the [DOLL DISC], [VND CPN], and [BTL RTN](motorized-inside-sale type).

In order to allow an amount entry beyond the values defined with the use of the [LC OPEN] key, the Mode Lock must be turned to the "MGR" position of the Mode Lock, which position also allows a free amount entry through [DOLL DISC], [VND CPN], and [BTL RTN].

```
┌──────┐
│      │
│ PLU  │
│      │
└──────┘
```

PLU (Price-Look-Up) KEY [PLU]

This key is used to enter a PLU that is linked to a department. Each PLU can be programmed to be a preset PLU (to allow the preset price only) or an open PLU (to allow a price entry through the numeric keys each time).

TO ENTER THROUGH PRESET PLU:

|PLU Code| → [PLU] ... The preset price will automatically be
number of   read and entered.
1 to 4 digits   To repeat the same PLU price, depress the
(1 to 9999)   [PLU] key only, after the above operation.

TO ENTER THROUGH OPEN PLU:

|PLU Code| → [PLU] → |PRICE| → [AMT]
number of
1 to 4 digits   ... The price indexed through the
(1 to 9999)   numeric keys will be entered.
                           To repeat the same PLU price,
                           depress the [AMT] key only, after
                           the above operation.

As for quantity extension involving PLUs, refer to the "REGISTERING
PROCEDURE FOR SALES" section.

Each PLU is programmed with a 4-digit PLU Code, a 2-digit linked
Department Code, 6-digit Preset Price or Open Price Status, SI, Tax,
Food Stamp, Scale, and Stock statuses.

| AMT |

AMOUNT KEY [AMT]

This key is used to enter an amount or price for an open PLU. Refer to
the description for the [PLU] key above.

| @/FOR |

AT-FOR (QUANTITY EXTENSION AND SPLIT-PACKAGE PRICING) KEY [@/FOR]

This key is used to multiply a department or PLU item entry by a
quantity (Multiplication Function).   This key is also used to
auto-calculate and enter a split-package price (for example, the
customer wants only two of five tomatoes in one package).(Split Price
Function).

The basic order of multiplication is:

|QUANTITY| → [@/FOR] → [UNIT PRICE]

As for details of multiplication and split pricing for various cases,
refer to the "REGISTERING PROCEDURE FOR SALES" section.

In multiplications, the QUANTITY can be of maximum of 3 integral
digits and 3 decimal digits. The price can be of maximum 6 digits.
The product must not exceed 8 digits for department entries, or 7
digits for PLU, negative department, or dept-linked Bottle Return
entries.

Usually, the fraction below the least effective digit will be rounded
off. However, it may be programmed to be rounded up or discarded by a
programmable option.

| VALI |
| DATE |

VALIDATION KEY [VALIDATE]

This key is used to over-print a validation slip.

To operate, after registering an item or finalizing a sale, insert a
slip into the validation slot and depress the [VALIDATE] key. The
item and the amount will be printed in one line on the slip. Print or
non-print of the date and/or consecutive No. is a programmable option.

Programmable selections are also provided as to single- or multi-validation, validation compulsion on certain transaction keys, etc.

If the "SLP" lamp flickers, it means that validation compulsion is programmed for the last item entered. In this case, insert a slip into the validation slot and depress the [VALIDATE] key; no other operations are allowed until the compulsory validation is executed.

If validation compulsion is programmed on any media key to finalize a sale, the drawer will not open on finalizing the sale, but will open on printing the validation slip by the [VALIDATE] key depression.

| ITEM |
| CORR |

ITEM CORRECT KEY [ITEM CORR]

This key is used to remove the last line item from the bill, printing a line through that item on the receipt and journal.

To operate, simply depress the [ITEM CORR] key immediately after the wrong item is entered and printed.

The item-correct function is effective even when a numeric entry and a [C] key depression are inserted between the line item to be corrected and the [ITEM CORR] key depression.

The [ITEM CORR] key will function to correct any last item entered through a Department, PLU, [%+], [%-], [DOLL DISC], [TAX](Manual Tax), [PB+], [PB-], [VND CPN], [STR CPN], [BTL RTN], [RTN MDSE] keys, or Received-on-Account, or Paid-Out items.

However, the [ITEM CORR] key will not function to correct any lines already entered before the last line item (refer to the [VOID] key description for such a purpose), or even the last line item entered through media keys, [ST], [#], [VOID], [EX], [SI/TL], or [ITEM CORR] itself.

| VOID |

VOID KEY [VOID]

The [VOID] key is used to void an item entered previously (before the last line item) within a sale, in which case the [ITEM CORR] key will not function.

To operate, depress the [VOID] key before or during a normal department or PLU entry sequence.

The [VOID] key may function to void a previous item through a positive department or a positive PLU, or a combination or "poisitive department/PLU plus [%+]/[%-]" entry, but not any other kind of items.

Unless the "Credit Balance" option is selected, voiding to result the sale total negative will go into an error.

This key may be programmed to require the "MGR" position of the Mode Lock.

| C |

CLEAR KEY [C]

This key is used to correct a numeric entry error or a declaration key (such as [RTN MDSE], [TX/M]) entry error prior to depressing a motorized key (such as [DEPT], media keys), or to correct any error condition and cancel the alarm tone.

If the [C] key is depressed after a subtotal is once obtained, the subtotal amount is again displayed. Similarly, after a taxable total is once obtained by [TXBL TL], a [C] key depression will regain the display indication to the taxable total (subtotal + taxes).

| TX/M | **(for Single-tax Area)**   **TAX MODIFIER KEYS**   [TX/M]
[TX1/M]
| TX1/M | | TX2/M | **(for Dual-tax Area)**   [TX2/M]
[TX3/M]

| TX1/M | | TX2/M | | TX3/M | **(for Triple-tax Area)**

Each of these keys is used to reverse the tax status (taxable/non-taxable status) on departments or other tax-status-programmable keys for one entry only. For multi-tax areas, a maximum of three keys should be provided -- [TX1/M], [TX2/M], and [TX3/M] -- in place of the [TX/M] key for single-tax areas. The three tax modifier keys will function independently each from the others, with its own tax table pre-programmed for taxable items.

The tax modifier key(s) will be effective to reverse the tax status programmed on departments, PLUs, [DOLL DISC], [%+], [%-], [VND CPN], [STR CPN], and [BTL RTN] keys.

To operate, depress the required tax modifier key(s) prior to depressing any of these function keys above listed, i.e., either before or after the amount entry. Please note that in multi-tax areas each tax modifier key corresponds its own tax table status. For example, [TX1/M] corresponds to Tax 1 status (e.g. National Tax), [TX2/M] to Tax 2 status (e.g. State Tax), etc.

The tax modifier keys are also used, along with the [EX] key, to exempt required tax(es) from the sale. Refer to the [EX] key description placed later in this section.

7	8	9
4	5	6
1	2	3
0	00

NUMERIC KEYS

These keys are used to enter numeric values such as amount, quantity, or code number.

Depressing the [00] key once is the same as depressing the [0] key twice consecutively.

The maximum indexing listing capacity is 8 digits, the maximum registering listing capacity is 7 digits, but please note that some amount entries thorugh certain function keys are limited by the pre-programmed amount limits.

DECIMAL POINT KEY [.]

This key is used, as part of numeric keys, to designate the position of the decimal point when entering a percent rate (through [%+] or [%-]) or a quantity (through [@/FOR]). For example, to enter 0.5%, index 0→[.]→5, or [.]→5. A maximum of three digits may be entered below the decimal point (except in tax rate programming in the "SET" mode).

When entering a price or amount such as $0.25, just index 2→5. In this case, depression of the [.] key is not necessary and will cause an error.

DEPARTMENT KEYS [DEPT]

These are department keys through which sales items are registered. Each of these keys may be programmed as either 'OPEN' or 'PRESET' key.

OPEN DEPARTMENT KEY

A department key which has no preset price programmed is an 'OPEN' key and must have a price entered into it manually each time. The price is rung up on the numeric keyboard and the appropriate department key is depressed. The price is then displayed and printed on the receipt and journal rolls.

When the same department key is depressed more than once consecutively after a price entry, the price entry is repeated as many times as the department key is depressed.

To enter a price extended by multiplication, enter the quantity first, depress the [@/FOR] key, enter the price, and then depress the appropriate department key. A multilplcation entry may not be repeated by depressing the department key again.

For split-pricing, enter the purchased quantity, depress [@/FOR], enter the whole package quantity next, depress [@/FOR] again, enter the whole package price, and then depress the department key.

PRESET DEPARTMENT KEY

A preset key is a key which has already a price programmed in it. It is therefore unnecessary to enter the price of an item; simply depress the key to register the sale of one item.

To repeat the same preset item, depress the department key as many times as required.

To multiply a preset department price by a quantity, enter the quantity first, depress [@/FOR] ([@/FOR] may be omitted if the preceding quantity is a one-digit value), and then depress the preset department key.

For split-pricing, enter the purchased quantity first, depress [@/FOR], enter the whole package quantity next, depress [@/FOR] again, and then depress the preset department key.

If a price different from the preset one must be entered through numeric keys into a preset department, depress the [PR OPEN] key either before or after the price entry.

Each department is also programmed with either positive or negative use, a HALC (High Amount Listing Capacity), LALC (Low Amount Listing Capacity), tax and SI (Selective Itemization) status.

A department item with [RTN MDSE], [PR OPEN], or [SHIFT] key, or a negative department item can not be repeated.

A department key can also be programmed to be used as a "Single-item Department" key. If so programmed, the department entry routine above mentioned will immediately finalize the sale as cash without depressing any of the media keys, when operated outside a sale. The Single-item Department key will function, however, just as an ordinary itemized department key if used inside a sale.

As for additional Department Keys or Shifted Departments, refer to the "OTHER OPTIONAL KEYS" section.

SUBTOTAL KEY [ST]

ST

This key is used to obtain the subtotal amount (sale total without taxes) during a sale. When this key is depressed after all the items have been rung up, the subtotal of the sale is printed and displayed.

If the [ST] key is depressed more than once consecutively, the first depression only will print _and_ display the subtotal; further depressions will only display but not print the subtotal amount.

A programmable option provides the selection not to print but only display the subtotal even on the first depression of the [ST] key.

In charge posting, a depression of the [ST] key displays the subtotal amount without previous balance.

TAXABLE TOTAL KEY [TXBL TL]

TXBL TL

This key is used to display the contents of the sale total _plus_ any taxes due. The amount will display only but not print.

In order to allow add-on operation following the use of this key, the taxes are not added into any totals until actual finalization is initiated.

Mandatory depression of this key prior to finalizing a sale is a programmable option.

If the "TOTAL VALIDATION" option is selected, depressing the [VALIDATE] key after a [TXBL TL] key depression prints the sale total on the validation slip, and therefore, only a finalizing operation then is allowed.

In charge posting, depressing the [TXBL TL] key displays the amount including taxes but excluding the previous balance.

| CARD |
| NO |

CARD NO. KEY [CARD NO]

This key is used to enter the code number (1 to 12) which classifies the credit sales, followed by the sale finalization with the [Chg] key.

To operate, enter the Card Code number (1 to 12), and depress [CARD NO] (at this time the Card Code is not printed). Then depress the [Chg] key to finalize the sale. The sale total will be processed into the Charge-in-drawer and the Individual Credit-in-drawer total memories respectively.

A wrong Card Code entry up to the [CARD NO] key but before the [Chg] key depression can be corrected by the [C] key. But it is not possible to correct a Card Code entry and print after the [Chg] key depression.

If the "Card No. Compulsory" option is selected, the [Chg] key operation will not be accepted without a Card Code entry.

Multi-tendering is allowed with multiple Card Nos (if [Chg] is programmed to allow tendering), by repeating to enter each Card No. before [CARD NO] and its amount tendered before [Chg].

If the [Chg] key is programmed to allow finalizing Received-on-Account payment items, the Card Code entry operation described above is allowed even to finalize Received-on-Account payments or to finalize payment entries for a sale with previous balance.

If a validation print is performed for a [Chg]-finalized sale with a Card No., the Card No. will not be printed on the validation slip.

| VND |
| CPN |

VENDOR COUPON KEY [VND CPN]

This is a motorized credit key to subtract vendor coupon amount from the sale.

To operate, enter the coupon amount and depress the [VND CPN] key. This operation can only be performed inside a sale. The coupon amount to be entered must not exceed the sale total unless the "Credit Balance" option is selected.

This key can be programmed with Amount Limit (max. 4-digit value), tax status, validation compulsion, and manager intervention.

To override the programmed amount limit, the "MGR" position of the Mode Lock is required, but the [LC OPEN] key will not be effective.

Quantity extension using the [VND CPN] key is not possible.

| DOLL |
| DISC |

DOLLAR DISCOUNT KEY [DOLL DISC]

This key is used to subtract an amount from the sale such as a discount during a sale. An amount exceeding the sale total can not be entered unless the "Credit Balance" option is selected.

To operate, enter the discount amount on the numeric keyboard, and then depress the [DOLL DISC] key. It may be operated after a [ST] key depression or any time during a sale before finalizing the sale.

This key may be programmed with Amount Limit (max. 4-digit value), tax status, validation compulsion, and manager intervention.

To override the programmed Amount Limit, the "MGR" position of the Mode Lock is required, but the [LC OPEN] key will not be effective.

Quantity extension is not possible using the [DOLL DISC] key.

| EX |

TAX EXEMPT KEY [EX]

This key is used to declare the exemption of the taxes from the sale, displaying the sale total excluding the exempted-tax, printing the tax-exempted amount. Only a finalizing operation is possible after a [EX] key depression.

The [ITEM CORR] key can not function to delete a [EX] key entry.

When multiple tax modifier keys are installed, partial tax exemption as well as all tax exemption may be performed in the following ways:

[TX1/M] → [EX] .... to exempt TAX 1 only

[TX2/M] → [EX] .... to exempt TAX 2 only

[TX3/M] → [EX] .... to exempt TAX 3 only

[TX1/M][TX2/M] → [EX] .... to exempt TAX 1 and TAX 2

[TX2/M][TX3/M] → [EX] .... to exempt TAX 2 and TAX 3

[TX1/M][TX3/M] → [EX] .... to exempt TAX 1 and TAX 3

To exempt all the taxes, simply depress [EX] (or depress all the tax modifier keys first, and then depress [EX]).

The [EX] key may be programmed to require the "MGR" position of the Mode Lock.

| PB+ | | PB- |

PREVIOUS BALANCE KEYS [PB+] [PB-]

These keys are used to enter a previous balance in a charge posting operation. If a previous balance is entered, then the operation becomes a charge posting operation, and the [Chg] key must used at the end of the operation. (See the "REGISTER PROCEDURE FOR SALES" section as to detail operations to follow the [Chg] key in charg posting.)

A previous balance may be entered anywhere and any number of times during a sale. The [PB+] key is used to post a debit balance and the [PB-] key is used to post a credit balance. To initiate a charge posting operation where no previous balance exists, then enter "0" (zero) as a past balance, followed by [PB+] or [PB-].

If the [TXBL TL] is depressed during a charge posting, the displayed amount does not include the previous balance. When the [Chg] key is depress to end the charge posting, the displayed and printed amount includes the previous balance. However, a programmable option may be

selected to display and print the amount _excluding_ the previous balance on the [Chg] key depression.

The [%+] or [%-] key may be operated immediately after a previous balance through the [PB+] key but not [PB-].

TRANSFER KEY [TRF]

TRF

When a charge posting is entered with the [Chg] key, this key is used to transfer the entire balance with no payment.

To operate, depress the [TRF] key after the [Chg] key. All the balance is transferred, the transferred amount is printed as the new balance, and a receipt is issued. In this operation the [Chg] key may be omitted.

NON-ADD NUMBER PRINT KEY [#]

#

This key is used to print a non-add number (such as Check No., Customer No., etc.) on the receipt and journal for future reference.

To operate, enter a maximum of 8-digit number and then depress the [#] key. The number is then printed. This operation may be performed any time between sales items, before or after all the sale items if the sale has not been finalized yet. Usually, non-add numbers may be entered any number of times within a sale. However, it is programmable to prohibit more than one non-add number entry within a sale.

RECEIVED ON ACCOUNT KEY [R/A]

R/A

A received-on-account transaction is used to identify money which is in the drawer but not business. The amount entered is thus included in the In-drawer Totals but not in the sales totals.

To operate, enter an amount of payment and then depress the [R/A] key. Repeat this operation if multiple payments are entered at a time. The payments entered are finalized by the [AT/TL] key if paid in cash. Other media keys may also finalize payments received on account if so programmed. The above operation can only be performed when the register is outside a sale.

The [R/A] key is also used to declare the payment amount near the end of a charge posting operation. After depressing the [Chg] key to obtain the sale total, enter the amount portion to be paid in this sale and then depress the [R/A] key, followed by the media tendering or totalling operation. The media keys that can be used in this case are those programmed to allow payments received on account, which is just described above.

The [R/A] key is also used as the Loan Start Declaration key.

PAID OUT KEY [PO]

PO

A paid-out transaction is used when an amount of money is removed from the cash drawer without relating to a sale. When the [PO] key is

used, the amount entered is subtracted from the Cash-in-drawer Total but not sales totals.

To operate, enter an amount to be taken from the cash drawer and depress the [PO] key whilst the register is in an out-of-sale condition. This operation may be repeated if multiple paid-out items are registered in one transaction. The paid-out amounts are finalized by the [AT/TL] key only (i.e., must always paid out in cash).

In a charge posting operation, this key is depressed to pay back all the balance to the customer, after once finalizing the account with the [Chg] key.

The [PO] key is also used as Pick Up Start Declaration Key when the Mode Lock is set to the "MGR" position.

The [PO] key may be programmed to require the "MGR" position of the Mode Lock.

| AT/TL | **CASH AMOUNT TENDER / TOTAL KEY** [AT/TL]

This key is used to record all cash paid on transactions, and will be able to finalize a sale operation. Usually this key is programmed to function as both "Tender" and "Total" key. However, the key may be programmed to operate with enforced tendering or as a cash total key.

TENDER FUNCTION

After the [ST] or [TXBL TL] key is depressed, enter the amount tendered by the customer in payment of the sale, and then depress the [AT/TL] key. The change is automatically computed, displayed, and printed.

If the amount tendered is smaller than the sale total, it prints the amount tendered on the receipt with the balance still due displayed, but the drawer is not yet opened. In this case, ask the customer for additional payment in cash and repeat the same amount-tendering operation, or use another media key if the balance due is processed as a sale in that media.

NOTE: If [AT/TL] is programmed to function as "Tender" key only and the sale total is "0" or negative, no amount tendered can be entered. In this case, [AT/TL] will function just as the "Total" key, so just depress [AT/TL] to obtain the total and finalize the sale. The balance in negative idicates that the amount must be paid back to the customer in cash.

TOTAL FUNCTION

To obtain the total and finalize a cash sale, depress the [AT/TL] key only. The sale is finalized with the total printed and displayed, and the drawer opens.

If the "[TXBL TL] Compulsory" option is selected, a [TXBL TL] key depression is always required before finalizing any sale.

If the "Total Validation" option is selected, validation after a [TXBL TL] key depression will print the sale total (including taxes) and thereafter only sale finalizing operation will be allowed.

The [AT/TL] key is also used to finalize received-on-account payments or paid-out amounts.

The [AT/TL] key can be programmed with the HALC (High Amount Listing Capacity) of the amount tendered. If it is set, the amount tendered must not exceed the programmed value; otherwise, it will result in an error. If the [LC OPEN] key is used prior to the [AT/TL] key depression, the HALC will be extended by one additional digit. If an amount still larger must be entered, the Mode Lock must be turned to the "MGR" position.

The [AT/TL] key can also be programmed to prohibit short-tendering operation.

```
┌──────────┐
│  CHECK   │
│  TEND    │
└──────────┘
```
CHECK TENDER KEY [CHECK]

This key is one of non-cash media keys, and used to cash a check when the register is outside a sale, or to finalize the transaction as a check payment.

CHECK CASHING

When the register is outside a sale, enter the check amount and depress the [CHECK] key. A receipt is issued and the drawer is opened to enable exchange. However, this cashing function may be prohibited if so programmed.

FINALIZING AS CHECK PAYMENT

On finalizing a sale, refer to the [AT/TL] key description. The [CHECK] key is ususally programmed to function as "Tender" key only. However, it may be programmed to function as "Total" key only or as both "Tender" and "Total" keys, just as [AT/TL].

The [CHECK] key is also used to finalize received-on-account payments when paid in check. However, this function may be programmed to be prohibited.

Over-tendering and/or short-tendering using this key may be also programmed to be prohibited (in case this key functions as "Tender" key).

```
┌──────────┐
│   Chg    │
└──────────┘
```
CHARGE TOTAL KEY [Chg]

This key is usually programmed as "Charge Sale Total" Key. However, it may be programmed to be the key for other non-cash media such as payments in credit cards. Thus this key is used as an alternative method of payments for media other than cash and check. To operate, depress the [Chg] key, instead of [AT/TL], to obtain the total and finalize the sale.

This key has exactly the same functions and programmabilities as the [CHECK] key except that the [Chg] key is usually programmed as a "Total" key but not a "Tender" key.

This key may also finalize received-on-account payments if not prohibited in the system option.

This key may also finalize the current sale of charge posting. In this case, the amount displayed by the [Chg] key is the sale total including the previous balance. However, it is programmable to display the sale total <u>excluding</u> the previous balance by the [Chg] key depression in that case.

OTHER OPTIONAL KEYS

The following keys are not shown in the TYPICAL KEYBOARD LAYOUT on page 6. However, any of them may be installed if the customer requires. But please note that some of the present keys may have to be dispensed with or additional memories may have to be installed to gain additional functions. Please contact your TEC representative if any of the following keys is necessary.

Additional Department Keys

A maximum of 60 department keys including the present department keys may be installed.

| SHIFT |

DEPARTMENT SHIFT KEY [SHIFT]

This key functions similarly to the "Shift Key" on a ordinary typewriter keyboard. Two different departments will be programmed on one Department Key, and shifting is possible from one department to the other by depressing the [SHIFT] key. For example, Department 1 can be used as Department 31 if the [SHIFT] key is depressed prior to [DEPT 1] key.

In this case, the number of all the department keys on the keyboard must be 30 or less. Thus the keyboard can spare space for other functions keys despite the number of departments.

The [SHIFT] key is effective to shift a department for only one entry; therefore, the shifted department can only be repeated by depressing the [RPT] key but not by depressing the same department key.

Additional [%+] or [%-] Keys

A maximum of two % keys including the present % keys may be installed on the keyboard. That is, if one [%+] key and one [%-] key are already installed, no other % keys can be added. However, the present two % keys can be programmed to be used as <u>both</u> %+ or <u>both</u> %- keys.

| MISC |
| TEND |

MISCELLANEOUS MEDIA TENDER KEY [MISC]

This is one of additional media keys that may be installed besides the present media keys. This key may be used to finalize a sale paid in media other than cash and check. This key has the same functions and programmabilities as the [CHECK] key, and usually used as a "Tender" key.

CPN

COUPON TENDER KEY [CPN]

This is one of additional media keys that may be installed besides the present keys. This key is used to finalize a sale paid in coupons. Different from the [VND CPN] or [STR CPN] keys, this key will be used as a media keys (while the other coupon keys are used as credit (subtracting) keys during a sale).

This key has the same functions and programmabilites as the [CHECK] key, and usually used as a "Tender" key.

FSTL
TEND

FOOD STAMP TOTAL READ / TENDER KEY [FSTL TEND]

This is a multi-purpose function key associated with the food stamp tendered operation.

FOOD STAMPABLE TOTAL READ

The first depression of this without a prior amount entry displays the food-stampable total, which indicates the maximum amount the customer may pay in food stamp.

FOOD STAMP TENDERING

Next, the food stamp amount tendered by the customer is entered and then the [FSTL TEND] key is depressed. If the food stamp amount tendered is equal to or larger than the food-stampable total and if there is no non-food-stampable amount is included in the sale (accurately, a maximum non-food-stampable amount of 99¢ may be included), the sale is finalized and a receipt is issued. If any non-food-stampable amount is included or the tendered food stamp amount is short of the food-stampable total, the balance due is displayed, expecting for another tendering or totalling operation in other medias.

The change by the unit of $1.00 will be returned in food stamp, but the change portion less than $1.00 will be returned in cash.

There are three types of food stamp handlings regarding the tax payment system for the food stampable items, and the register has been programmed with the right type for each area:

1) GENERAL TYPE

> The customer may pay up to the food-stampable amount plus the taxes due in food stamp. (The FOOD STAMPABLE TOTAL read in the display already includes the taxes due in this type.)

2) ILLINOIS TYPE

> The customer pay up to the food-stampable amount in food stamp, and the amount actually paid in food stamp is tax-exempted. (The FOOD STAMPABLE TOTAL read in the display does not include the taxes due in this type.)

3) TEXAS TYPE

The customer may pay up to the food-stampable amount in food stamp, but any taxes due must be paid in cash. (The FOOD STAMPABLE TOTAL read in the display does not include the taxes due in this type.)

FS/M

FOOD STAMP MODIFIER KEY [FS/M]

This key has the same function as the TAX MODIFIER KEYS except that this key reverses the food stampable/non-stampable status of a Department, PLU, [%+], [%-], [DOLL DISC], or [BTL RTN] (inside-sale type) items.

IC/VD

ITEM CORRECT / VOID KEY [IC/VD]

This is a dual-function key that has both [ITEM CORR] and [VOID] key functions.

If depressed without a prior numeic entry after an item-correctable entry, it functions as the [ITEM CORR] key.

If depressed with a prior nuemric value (PLU Code, price, amount, or quantity), it functions as the [VOID] key. In this case, it is recommended to always enter a numeric value before this key depression; otherwise, it will result in item-correct operation if the last line item is item-correctable.

Print Sample

ex.) [DEPT 1] → |200|[DEPT 2] → [IC/VD]

```
     |          |      |           |
  Preset     Price   Open      Functions
  Dept.      $2.00   Dept.     as [ITEM CORR]
  ($1.00)                      (Deletes Dept 2
                                item, the last
     |          |      |        line item.)
```

```
 DP01        1.00
 DP02------2.00
```

```
                              ┌─ 1 x Dept.1 ─┐
[DEPT 1] - |200|[DEPT 2] -  |1| [IC/VD][DEPT 1]
                    |         |
                Quantity      |
                "1" for       |
                multipli-     |
                cation        |
                          Functions
                          as [VOID]
```

```
 DP01        1.00
 DP02        2.00
        1 X  1.00@
 DP01        1.00
```

000

TRIPLE-ZERO KEY [000]

This key may be installed as part of numeric keys. Depressing [000] once is the same as depressing [0] key three times consecutively or the same as depressing [0] and then [00] consecutively.

STR
CPN

STORE COUPON KEY [STR CPN]

This is a non-motorized credit key to subtract a store coupon amount redeemed through a department. Store coupon operations will net the department through which they are redeemed.

To operate, depress the [STR CPN] key either before or after the coupon amount entry, then depress the appropriate department key.

The [STR CPN] key does not have its own listing capacity programmed, and thus it is ruled by each department's HALC (High Amount Listing Capacity). The tax status of the [STR CPN] key is also ruled by the department status.

The store coupon amount must be entered inside a sale and must not exceed the sale total unless the "Credit Balance" option is selected.

The amount entered with the [STR CPN] key will subtract the Department Total memory, but does not affect the Department Item Counter memory.

Quantity extension will be permitted with this key, but no decimal quantity will be accepted. No PLU, Void, Returned Merchandise, or Bottle Return (Depatment-net Type) entries are possible with the [STR CPN] key.

The [STR CPN] key may be programmed to require the "MGR" position of the Mode Lock.

OPEN

LC-AND-PRESET OPEN KEY [OPEN]

This is a dual-function key that has both [LC OPEN] and [PR OPEN] key functions.

#/NS

NON-ADD NUMBER PRINT / NO-SALE KEY [#/NS]

This is a dual-function key that has both [#] and [NS] key functions.

If depressed with a prior number entry in the "REG", "MGR", or " [-] " mode, it will function as the [#] key.

If depressed without a prior numeric entry in the "REG" or "MGR" mode, it will function as the [NS] key.

In the "X" or "SET" mode, it will always function as the [#] key regardless of a prior numeric value entry.

TAX

MANUAL TAX KEY [TAX]

This key is used to enter an irregular tax amount that cannot be calculated on the basis of the programmed tax table, and to add it to the sale total.

To operate, enter the desired amount of tax and then depress the [TAX] key. The amount entered is then printed. This tax amount is

processed into the TAX 4 memory. Therefore, the tax amount automatically calculated and printed at finalizing the sale (TAX 1 to TAX 3) does not include a manual-entered tax, while the entire sale total printed on the receipt last line includes the manual-tax also.

This key is also used, if depressed without an amount entry within a sale, to display the total of only non-taxable items so far entered. Usually, this non-taxable total is only displayed but not printed. However, it may be programmed to print also.

RPT

REPEAT KEY [RPT]

This key is used to repeat a department or PLU entry. This key enables repeat entries not only for normal department or PLU items but also items modified with [PR OPEN], [SHIFT], etc.

SCALE

SCALE KEY [SCALE]

This key is used for various scaled items. To enable to register weight data from the scale into a Department or PLU, the Department must be programmed to "Allow Scale Entry" or the PLU must be programmed to be of Scale Type.

To operate, place the item on the scale platter, depress [SCALE], followed by a normal Department or PLU sequence. (The [SCALE] key may be omitted when a PLU sequence follows.)

Refer to the "REGISTERING PROCEDURE FOR SALES" section for vaious scale operations.

TARE

TARE KEY [TARE]

This key is used to enter the tare weight data prior to a scaled item entry, thus to subtract the tare from the gross weight and obtain the net weight.

When the required tare weight is programmed as Tare Table No. (1 to 9), enter the Tare Table No., and then depress [TARE]. If the tare is not a programmed weight, depress [PR OPEN] first, enter the tare weight, and then depress [TARE].

Refer to the "REGISTERING PROCEDURE FOR SALES" section for details in combination of scaled item entries.

RECEIPT ISSUE

RECEIPT POST-ISSUE KEY [RECEIPT ISSUE]

This key is used to issue the receipt of a sale when the sale has already been fianalized with the [RECEIPT ON/OFF] switch positioned to OFF. However, the post-receipt can be issued even when the [RECEIPT ON/OFF] switch is positioned to ON if so programmed in the system option.

To operate, depress the [RECEIPT ISSUE] key without a numeric entry. The receipt for the last sale (printed with the sale total but not detail items) is issued. This key will not function if another sale has already been under way.

REGISTERING PROCEDURE FOR SALES

The following are patterns for actual registering operations. In the following examples, "|____|" indicates an input through the numeric keys, "[   ]" indicates a depression of the transactionkey, and "---" indicates other registering and/or finalizing operations.

One of the Clerk Keys must be set to the ON position to start operations. The Mode Lock should usually be set to the "REG" position. However, if the "MGR Requirement" status is programmed on the transaction key or its operation sequence, the cashier must ask the store manager to turn the Mode Lock to the "MGR" position.

NO-SALE (Allowed only outside a sale)

>   [NS] (or [#/NS])

DEPARTMENT ENTRY

> |PRICE| [OPEN] → ---

>   [PRESET DEPT] → ---

>   [PR OPEN] |PRICE| [PRESET DEPT] → ---

>   **NOTES:** 1. To enter a price to override the listing capacity, the [LC OPEN] (or [OPEN]) key may be depressed either before or after the price entry but before the department key depression. In this case, a price two-digit larger than the HALC or 1-digit smaller than the LALC may be entered for one entry only.
>
>   2. Tax Modifier Keys may be used to reverse the tax status:
>
>   ex.) (|PRICE|) [TX/M] [DEPT] ... to reverse taxable/non-taxable status of the department in a single-tax area.
>   (|PRICE|) [TX2/M] [DEPT] ... to reverse Tax2 taxable/non-taxable status of the department in a dual- or triple-tax area.
>   (|PRICE|) [TX1/M][TX2/M] [DEPT] ... to reverse both Tax1 and Tax2 taxable/non--taxable status in a dual- or triple-tax area.

PLU ENTRY

> |Preset PLU Code| [PLU] → ---

> |Open PLU Code| [PLU] → |PRICE| [AMT] → ---

>   **NOTES:** 1. The [PR OPEN] key cannot be used for PLU entries.
>   2. Tax Modifier Keys may also be used for PLU entries. Refer to NOTE 2 for DEPARTMENT ENTRY above.
>   3. The "|PLU Code|[PLU]" sequence may be replaced by a simple depression of the corresponding key on the PLU KEYBOARD (option) if connected to the ECR. But the "|PRICE|[AMT]" must be entered on the ECR keyboard.

REPEAT ENTRY

|PRICE|[OPEN DEPT] → [OPEN DEPT] → [OPEN DEPT] ... → ---

           (Repeat depressing the same key as many times as the
           desired count.)

[PRESET DEPT] → [PRESET DEPT] → [PRESET DEPT] ... → ---

|Preset PLU Code| [PLU] → [PLU] → [PLU] ... → ---

|Open PLU Code| [PLU] → |PRICE| [AMT] → [AMT] → [AMT] ... → ---

NOTES: 1. Repeat entry is not possible by the above patterns when the
         [PR OPEN], [VOID], [RTN MDSE], [BTL RTN], [STR CPN], or [SHIFT]
         key has been operated together.
        2. The [LC OPEN], Tax Modifier Keys, [SI/M], [FS/M] keys are
         effective on repeat operation by the above patterns.

[PRESET DEPT] → [RPT] → [RPT] ... → ---

|PRICE|[OPEN DEPT] → [RPT] → [RPT] ... → ---

[PR OPEN] → |PRICE| [PRESET DEPT] → [RPT] → [RPT] ... → --- ⎤ These repeat
                                             ⎥ patterns are
[SHIFT] → [PRESET DEPT] → [RPT] → [RPT] ... → ---   ⎥ only possible
                                             ⎥ by [RPT] Key.
[SHIFT] → |PRICE|[OPEN DEPT] → [RPT] → [RPT] ... → --- ⎦

|Preset PLU Code|[PLU] → [RPT] → [RPT] ... → ---

|Open PLU Code|[PLU] → |PRICE|[AMT] → [RPT] → [RPT] ... → ---

QUANTITY EXTENSION (MULTIPLICATION)

|QUANTITY| → [@/FOR] → [PRESET DEPT] → ---
          └ (May be omitted if the QUANTITY is 1-digit.)

[PR OPEN] → |QUANTITY| → [@/FOR] → |PRICE|[OPEN DEPT] → ---

|QUANTITY| → [@/FOR] → |PRICE|[OPEN DEPT] → ---

|QUANTITY| → [@/FOR] → |Preset PLU Code|[PLU] → ---

|Open PLU Code|[PLU] → |QUANTITY| → [@/FOR] → |PRICE|[AMT] → ---

NOTES: 1. QUANTITY ... max. 3-digit integral and 3-digit decimal.
          PRICE ...... max. 6 digits
          PRODUCT .... must not exceed 8 digits for positive Depts, or
                    7 digits for PLUs or negative Dept items.

         (If a PLU is programmed with the "stock control" status, the
         QUANTITY must always be entered in an integral value.)
        2. Tax Modifier Keys, [LC OPEN], [SI/M], [FS/M] keys are effective
         if depressed before the last key of each sequence.

SPLIT PACKAGE PRICING

|PURCHASED Q'TY| [@/FOR] → |WHOLE PACKAGE Q'TY| [@/FOR] → [PRSET DEPT] → ---

|PRUCHASED Q'TY| [@/FOR] → |WHOLE PACKAGE Q'TY| [@/FOR]⌐
                  ↳|WHOLE PACKAGE PRICE| [OPEN DEPT] → ---

|PURCHASED Q'TY| [@/FOR] → |Split-Price Type PLU Code| [PLU] → ---
           (Preset PLU)

|Split-Price Type PLU Code| [PLU] → |PURCHASED Q'TY| [@/FOR]⌐
 (Open PLU)
         ↳|WHOLE PACKAGE PRICE| [AMT] → ---

NOTES: 1. The "PURCHASED Q'TY" and "WHOLE PACKAGE Q'TY" must be of integral value (max. 3 digits); no decimal value is allowed.
2. Usually, the fraction of the result is rounded up in split-pricing operation. However, it is programmable to round up the fraction of each item price (item price = WHOLE PACKAGE PRICE ÷ WHOLE PACKAGE Q'TY).
3. Only the "Split-Price Type" PLUs allow split pricing operations, but not the other ordinary type of PLUs.

RETURNED MERCHANDISE

Follow the operation sequences of DEPARTMENT ENTRY, PLU ENTRY (page 26), QUANTITY EXTENSION (page 27), and SPLIT PACKAGE PRICING (this page); and depress [RTN MDSE] anywhere during the sequence (not necessarily at the starting) but it must be depressed before the last key of each sequence.

BOTTLE RETURN (motorized-inside-sale type)

--- → |BOTTLE RETURN AMOUNT| [BTL RTN] → ---   (Quantity Extension is possible.)

BOTTLE RETURN (non-motorized-department-linked type)

[BTL RTN] → [PRESET DEPT] → ---   (Quantity Extension is possible.)

[BTL RTN] → |BOTTLE RETURN AMOUNT| → [OPEN DEPT] → ---

DOLLAR DISCOUNT

--- → |DISCOUNT AMOUNT| [DOLL DISC] → ---

PERCENT DISCOUNT

(1) To discount from the subtotal:

   --- → [ST] → [%-] → --- ... to discount by the preset %- rate

   --- → [ST] → |RATE| [%-] → --- ... to discount by a manual rate

(2) To discount from an individual department or PLU item:

(|PRICE|) → [DEPT] → [%-] → --- ... to discount by the preset %- rate

(|PRICE|) → [DEPT] → |RATE| [%-] → --- ... to discount by a manual rate

NOTES: 1. The rate may be entered within the range from 0.001 to 99.999(%). If the rate contains the decimal point, use the [.] key.
2. The above department entry sequences may be replaced by PLU entry sequences.
3. Percent discount/charge can also be operated on a positive Previous Balance entry.

PERCENT CHARGE

This operates the same as the PERCENT DISCOUNT OPERATIONS above, except that the [%+] key is used instead of the [%-] key.

STORE COUPON

Follow the operation sequences of DEPATMENT ENTRY (page 26) and QUANTITY EXTENSION of Departments (page 27), and depress [STR CPN] anywhere during the sequence (not necessarily at the starting) but it must be depressed before the last key of each sequence.

The [STR CPN] key will not function with a PLU entry sequence.

VENDOR COUPON

--- → |COUPON AMOUNT| [VND CPN] → ---

(Quantity Extension is not possible.)

ITEM CORRECT (Last Line Voiding)

Depress [ITEM CORR] after each sequence listed below.

DEPARTMENT ENTRY (page 26) ─────────────────┐
PLU ENTRY (page 26) ───────────────────────┤
REPEAT ENTRY (page 27) ────────────────────┤
QUANTITY EXTENSION (page 27) ──────────────┤
SPLIT PACKAGE PRICING (page 28) ───────────┤
RETURNED MERCHANDISE (page 28) ────────────┤
BOTTLE RETURN of both types (page 28) ─────┤
DOLLAR DISCOUNT (page 28) ─────────────────┼→ [ITEM CORR] → ---
PERCENT DISCOUNT/CHARGE (pages 28 6o 29) ──┤
RECEIVED ON ACCOUNT: |AMOUNT| [R/A] ───────┤
PAID OUT: |AMOUNT| [PO] ────────────────────┤
MANUAL TAX: |AMOUNT| [TAX] ─────────────────┤
PREVIOUS BALANCE: |AMOUNT| [PB+](or[PB-]) ──┤
STORE COUPON (page 29) ─────────────────────┤
VENDOR COUPON (page 29) ────────────────────┘

NOTES: 1. When [ITEM CORR] is depressed after a REPEAT ENTRY sequence, only the last item of the repeated will be deleted.
2. When [ITEM CORR] is depressed after a QUANTITY EXTENSION or SPLIT PACKAGE PRICING sequence, the entire product resulted from the calculation will be deleted.
3. The [IC/VD] key will function the same as the [ITEM CORR] key in all of these patterns.

VOID (Designated Line Voiding)

Follow the operation sequences of DEPARTMENT ENTRY (page 26), PLU ENTRY (page 26), and QUANTITY EXTENSION (page 27); and depress [VOID] anywhere during the sequence (not necessarily at the starting) but it must be depressed before the last key of each sequence.

Designated Line Voiding is possible for a Department or PLU item plus %+ or %- item sequences, if [VOID] is depressed at least before the [DEPT] key (for Department Entry), [PLU] (for Preset PLU Entry), or [AMT] (for Open PLU Entry).

NOTE: The [IC/VD] key will function the same as the [VOID] key except that:
1) [VOID] may be depressed before or after a numeric entry, if before the motorized key (key to cause the line item print), however,
2) [IC/VD] can only be depressed after a numeric entry. If depressed at the top without a prior numeric entry, it may item-correct the last item just entered. In voiding a preset department entry, for example, the quantity must be entered first (if an ordinary entry, the quantity will be "1"), next depress [IC/VD], and then [PRESET DEPT] key.

EXAMPLES OF DESIGNATED LINE VOIDING USING [IC/VD]

|1| → [IC/VD] → [PRESET DEPT] → ---

   └ Quantity "1" of multiplication

|PRICE TO BE VOIDED| → [IC/VD] → [OPEN DEPT] → ---

|Preset PLU Code| → [IC/VD] → [PLU] → ---

|Open PLU Code| → [IC/VD] → [PLU] → |PRICE TO BE VOIDED| → [AMT] → ---

NON-ADD NUMBER PRINT

|NUMBER| [#](or[#/NS]) → ---

   └ (Check No., Customer No., etc.: max. 8 digits)

TAX STATUS MODIFICATION

Depress required Tax Modifier Keys(s) ([TX/M], [TX1/M] to [TX3/M]) before or after the amount entry but before the required tax-status programmed key or item of the following:
Departments, PLUs, [%+], [%-], [DOLL DISC], [BTR RTN], [VND CPN], [STR CPN].

SELECTIVE ITEMIZED (SI) STATUS MODIFICATION

Depress [SI/M] before or after the amount entry but before the last key of the entry sequence of the required Department or PLU.

FOOD STAMP (FS) STATUS MODIFICATION

Depress [FS/M] before or after the amount entry but before the last key of the entry sequence of the required Department, PLU, [%+], [%-], [DOLL DISC], or [BTL RTN](motorized-inside-sale type).

SCALE ENTRY, TARE ENTRY

AUTO SCALE WITHOUT TARE

[SCALE] → |UNIT PRICE|[OPEN DEPT] → ---

[SCALE] → [PRESET DEPT] → ---

([SCALE]) → |Preset PLU Code|[PLU] → ---
 └─may be omitted for Scale PLU entry.

([SCALE]) → |Open PLU Code|[PLU] → |UNIT PRICE|[AMT] → ---

AUTO SCALE WITH TARE

|Tare Table No.|[TARE] *┌─→ |UNIT PRICE|[OPEN DEPT] → ---
  (1 to 9)   ├─→ [PRESET DEPT] → ---
                      ├─→ |Preset PLU Code|[PLU] → ---
                      └─→ |Open PLU Code|[PLU] → |UNIT PRICE|[AMT] → ---

[PR OPEN]|Tare Weight Manual Entry|[TARE] → To be continued to
          (unit: 1/100 LB or g)   the sequences marked with
                                           "*" above.

MANUAL SCALE ENTRY (May be programmed to be prohibited)

|Net Weight Manual Entry|[SCALE] → To be continued to the sequences
  (unit: 1/100 LB or g)   marked with "*" above.

VOID OR RETURN MANUAL SCALE ENTRY (May be programmed to prohibit any manual scale entry except VOID or RETURN, or including VOID and RETURN.)

[VOID] ──────→
[RTN MDSE] →| → To be continued to the sequnce for "MANUAL SCALE ENTRY"
              above.   (The Net Weight must be entered manually in
              this case.)

NOTES: 1. PLUs operated here must be programmed as "Scale Type"; no other
          PLUs may be used for scale entries.
       2. In the Negative Mode (i.e., in the "□" position of the Mode
          Lock, any scale items must be recorded with a manual net weight
          entry. Therefore, follow the "MANUAL SCALE ENTRY" and "VOID OR
          RETURN   MANUAL   SCALE   ENTRY"   described   above.   The
          manual-scale-prohibited status will be disredarded in the
          Negative Mode.

SUBTOTAL READ (Sale Total Without Taxes)

--- → [ST] → --- ... The sale total so far is displayed (and printed if so programmed), but the sale is not finalized.

TAXABLE TOTAL READ (Sale Total plus Taxes)

--- → [TXBL TL] → --- ... The sale total including taxes is displayed but not printed. The sale is not finalized. Mandatory depression of [TXBL TL] before finalizing a sale is a programmable option.

MANUAL TAX ENTRY

--- → |TAX AMOUNT TO BE ADDED| [TAX] → ---

NON-TAXABLE ITEM TOTAL READ

--- → [TAX] → --- ... The total amount of the non-taxable item(s) so far entered within the sale is displayed. It is usually not printed, but programmable to print also.

TAX EXEMPTION

--- → [TX1/M] → [EX] ... to exempt Tax1 only
--- → [TX2/M] → [EX] ... to exempt Tax2 only
--- → [TX3/M] → [EX] ... to exempt Tax3 only
--- → [TX1/M][TX2/M] → [EX] ... to exempt Tax1 and Tax2
--- → [TX2/M][TX3/M] → [EX] ... to exempt Tax2 and Tax3
--- → [TX1/M][TX1/M] → [EX] ... to exempt Tax1 and Tax3
--- → [EX] ... to exempt all the taxes (or all the Tax Modifier Keys may be depressed before [EX].)

Displays the post-tax-exemption sale total while prints the tax-exempted amount.

SELECTIVE ITEMIZER (SI) READ

--- → [SI/TL] → --- ... The SI total is diplayed (and printed if so programmed) on the receipt.

NOTES: 1. If % rate is preset on the [SI/TL] key, the amount calculated on the rate is automatically is displayed (and printed). Whether the calculated amount adds to or subtracts from the sale total is another programmable option.
2. If the "SI/TL Compulsory" option is selected, the [SI/TL] key is always required before finalizing a sale.
3. The content of the selective itemizer is cleared at the moment of the depression of the [SI/TL] key, getting ready for the selective itemization of the next sale.

FOOD STAMPABLE TOTAL READ, FOOD STAMP TENDERING

```
--- → [FSTL TEND] → |Food Stamp Tendered Amount| [FSTL TEND] → ---
            |        |_____|
     Displays the              Tendering in Food Stamp
     food-stampable         (This must be operated first of all
     total.                  the payments in finalzing the sale,
                             if food stamps are part of the payment.)
```
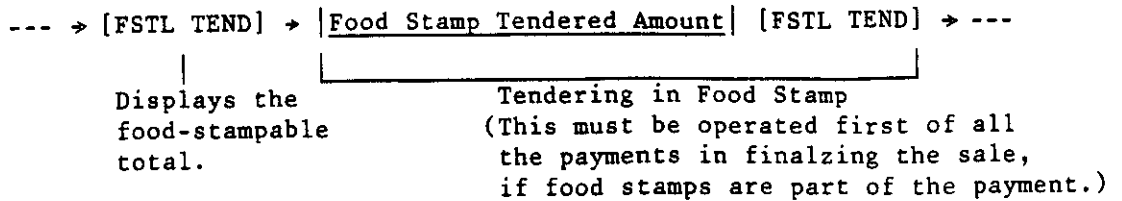
SALE FINALIZATION BY MEDIA KEYS

```
                        finalize without tendering
--- → ([TXBL TL]) ───────────────────────────────────→ [CASH]
                  |                                 ↑├→ [CHECK]
                  └→|Tendered Amount| ──────────────┘├→ [Chg]
                                                      ├→ [MISC]
                                                      └→ [CPN]
```
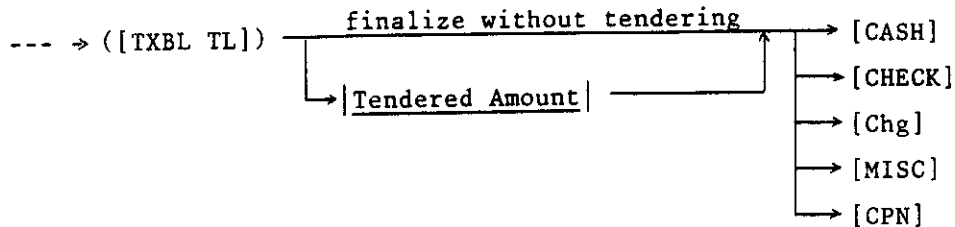
> **NOTE:** Whether each Media Key is depressed with a prior tendered amount
> entry or not is determined by the option for the Media Key. If the
> sale total is "0" or negative any Media Key must be depressed
> without a tendered amount entry even if the key is programmed as a
> "Tender" key. Each of non-cash media keys may be programmed to
> prohibit Negative Sale Finalization, Over-tendering, and/or
> Short-tendering.

SALE FINALIZATION BY CLASSIFIED CREDIT (CARD NO. CREDIT SALE)
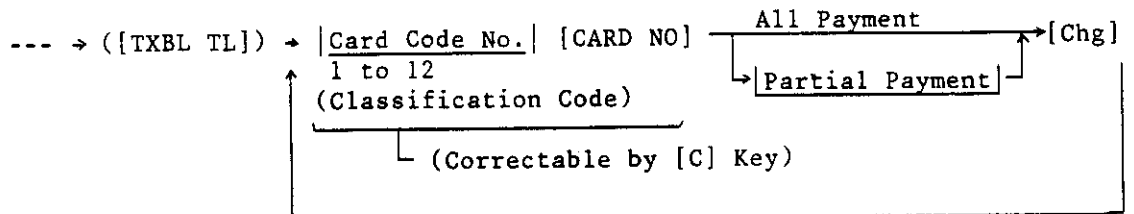
```
                                            All Payment
--- → ([TXBL TL]) → |Card Code No.| [CARD NO] ──────────────→↑[Chg]
                  ↑  1 to 12                  └→|Partial Payment|─┘   |
                  |  (Classification Code)                            |
                  |  |_____|                        |
                  |       └ (Correctable by [C] Key)                 |
                  |_____|
          Repeatable if "Partial Payment" (i.e. Short-tendering)
                is repeated with a different Card No.  In this case,
                The [Chg] key must be programmed to allow "Tendering"
                and "Short-tendering".
```

> **NOTES:** 1. If the "Card No. Compulsory" option is selected, the [Chg] key
> must always be operated with a prior Card No. entry sequence.
> 2. The above sequence from "|Card Code No.|" to "[Chg]" may be
> used to finalize received-on-account payments if the [Chg] key
> is programmed to allow received-on-account entries.

MULTI-TENDERING ... Short-tendering repeated multiple times by the same media
(allowed only when the media key is programmed to allow
short-tendering.)

ex.)

--- → ([TXBL TL]) → |AMOUNT TENDERED| [CHECK] ┐
                           └→|AMOUNT TENDERED| [CHECK] ┐
                           └→|AMOUNT TENDERED| [CHECK]

NOTE: The [CHECK] key may be replaced by the [AT/TL] or other media keys
if it is programmed to allow short-tendering.

SPLIT-TENDERING ... Short-tendering repeated multiple times by different media
keys (allowed only when the media keys are programmed to
allow short-tendering).

ex.1)
--- → ([TXBL TL]) → |CHECK AMOUNT TENDERED| [CHECK] ┐
                    ├→([CASH AMOUNT TENDERED]) [AT/TL] ... Check & Cash
                    ├→(|Card Code No.|[CARD NO]) → [Chg] ... Check & Charge
                    └→|CASH AMOUNT TENDERED| [AT/TL] → [Chg]
                                      ... Check, Cash, & Charge

ex.2)
--- → ([TXBL TL]) → |CASH AMOUNT TENDERED| [AT/TL] → [Chg]
                                        ... Cash & Charge

ex.3)

--- → ([TXBL TL]) → [FSTL TEND] |FOOD STAMP AMOUNT TENDERED| [FSTL TEND] ┐
                    ├→(|CASH AMOUNT TENDERED|) [AT/TL] ... Food Stamp & Cash
                    ├→|CHECK AMOUNT TENDERED| [CHECK] ... Food Stamp & Check
                    └→[Chg] ... Food Stamp & Charge

There are many more combinations of medias.

NOTES: 1. In both MULTI-TENDERING and SPLIT-TENDERING operations, the
sale is finalized, a receipt is issued, and the drawer opens on
reaching the sale total amount.
2. If a media key is depressed without an amount tender entry (if
the key functions as the "Total" key), the sale is then
finalized on that stage processing all the balance due into
that media.

CHECK CASHING (Must be operated outside a sale. May be programmed to be
prohibited.)

|CHECK AMOUNT TO BE CASHED| [CHECK] ... The drawer opens to enable
the exchange.
(Other non-cash media keys may be used for this purpose if programmed to
allow no-purchase cashing.)

RECEIVED ON ACCOUNT (Must be operated outside a sale.)

|AMOUNT OF PAYMENT|[R/A] ──→(|CASH AMOUNT TENDERED|)[AT/TL]
                                              (if paid in cash)

Repeatable if multi amounts → |CHECK AMOUNT TENDERED|[CHECK]
are received in one tran-   (if paid in check)
saction.

                → [Chg] (if paid in charge media)

                ↳ Other Media Finalization
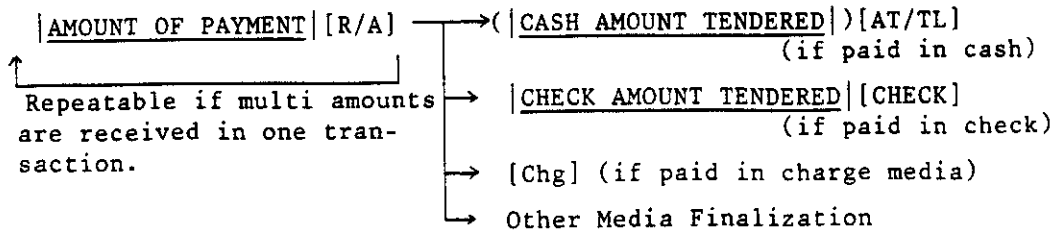
NOTES: 1. The media keys used for this operation must be programmed to allow received-on-account entries.
2. MULTI-TENDERING, SPLIT-TENDERING (page 33), and SALE FINALIZATION BY CLASSIFIED CREDIT (page 33) are applicable to the finalization of received-on-account payments.

PAID OUT (Must be operated outside a sale.)

|AMOUNT TO BE PAID OUT|[PO] → [AT/TL]

Repeatable if multi amounts
are to be paid out are recorded
in one transaction.

NOTE: The [AT/TL] key is the only media key that can finalize paid-out amounts. (That is, only cash may be paid out.)

LOAN (Must be operated outside a sale. Allowed on a 4-Clerk Key machine.)

[R/A] ──→ |CASH AMOUNT TO BE LOANED| [AT/TL] ─→ ([ST]) → [AT/TL]
       ↳ |FOOD STAMP AMOUNT TO|[FSTL TEND] ─┘
         |BE LOANED|

Repeatable by alternating the amount and/or media.
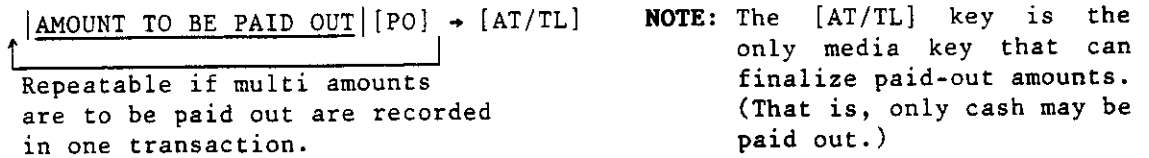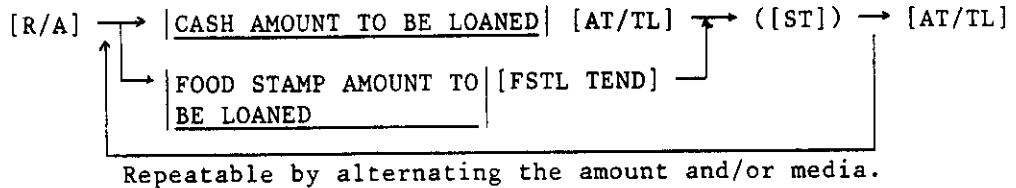
NOTES: 1. Neither [ITEM CORR] nor [VOID] can void any items in a loan operation.
2. No function to check the cash-in-drawer balance going into negative (by excessive Paid-Out or Pick-Up entries) is not provided. A negative cash-in-drawer balance, however, can be read in reports.

PICK UP (Must be operated outside a sale. Allowed on a 4-Clerk Key machine.)

The Mode Lock must be positioned to "MGR".

[PO] ──→ |CASH AMOUNT PICKED UP| [AT/TL] ──→ ([ST]) ──→ [AT/TL]
                         (NOTE 1 below)

Repeatable by alternating the amount and/or media.
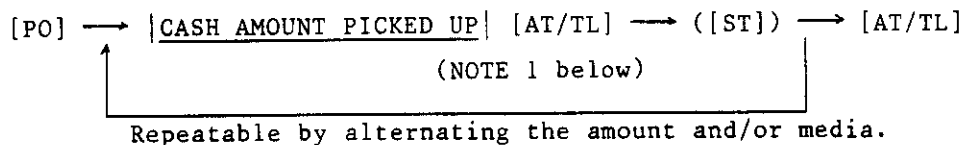
NOTES: 1. Pick-up amounts may be recorded through [AT/TL](cash amount), [VND CPN](vendor coupon amount), [FSTL TEND](food stamp amount), and other media keys whose Media-in-Totals are programmed to be printed in In-drawer Report.

2. An amount <u>must</u> be entered before each media key.
3. Neither [ITEM CORR] nor [VOID] can void any items in a pick-up operation.
4. On the depression of the [PO] key, the drawer opens. Pick-ups may be carried out with the drawer kept open, even if the "Drawer-close Compulsory" option is selected.

VALIDATION PRINT

After entering the required item through a transaction key or media key. $\longrightarrow$ Insert a validation slip into the validation slot. Make sure that the "SLP" lamp is steadily lit. $\longrightarrow$ [VALIDATE]
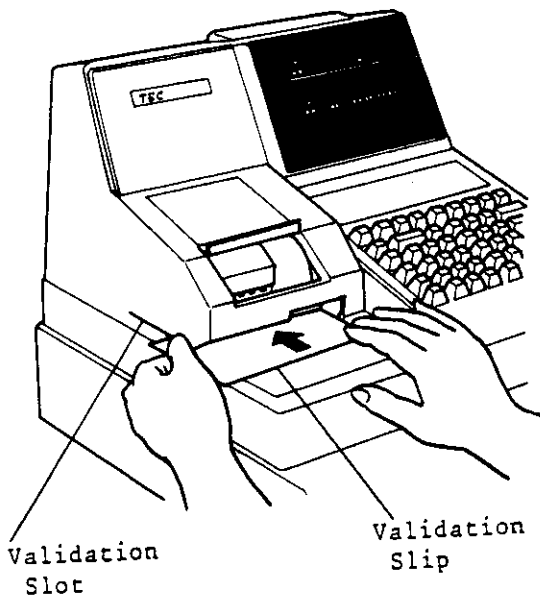
NOTES:
1. No other operations can follow until the validation slip once printed is withdrawn.
2. If the "SLP" lamp flickers during registrations, it indicates that the last item just registered has been programmed to require validation print. In this case, no other operations can follow until a validation print is executed.
3. The following are the selections programmable relating to validation:
   (1) PRINT FORMAT:
      a) Date Print/Non-print
      b) Consecutive No. Print/Non-print
   (2) MULTI- or SINGLE-VALIDATION (Number of times of validation print allowed for the same item.)
   (3) VALIDATION COMPULSORY status on the following keys:
      [AT/TL], [CHECK], [Chg], [MISC], [CPN], [FSTL TEND], [RTN MDSE], [PO], [R/A], [ITEM CORR], [VOID], New Balance in Charge Posting, [DOLL DISC], [%-], Negative Departments/PLUs, [BTL RTN], [VND CPN], [STR CPN].

Validation Slot

Validation Slip

RECEIPT POST-ISSUE (Allowed only outside a sale.)

[RECEIPT ISSUE] ... A receipt with the total amount of the last-finalized sale is issued. A programmable option provides a selection not to issue the post-receipt if the last sale has been finalized with the [RECEIPT ON/OFF] switch positioned to 'ON'.

PREVIOUS BALANCE, CHARGE POSTING

1. <u>TO INITIATE CHARGE POSTING WHERE NO PREVIOUS BALANCE EXISTS:</u>

   |0|→[PB+](or[PB-]) → To be continued to the "*" below.

2. <u>CHARGE POSTING WITH A PREVIOUS BALANCE FIRST ENTERED (PRE-SELECT):</u>

   |Previous Balance| ┬─→ [PB+] (for Debit Balance) →
   　　　　　　　　　　 └─→ [PB-] (for Credit Balance) →

   * (Additional registrations, → ([TXBL TL]) → [Chg]
   　 if any newly purchased.

   Displays the sale total including taxes <u>without</u> <u>Previous Balance.</u>

   Displays the entire sale total <u>including</u> <u>Previous Balance</u> and taxes (or excluding Previous Balance by a programmable option).

   → [TRF] ... to transfer all the balance as a new balance (i.e., no payment on this stage)

   → |AMOUNT TO BE PAID| [R/A] ┬→ (|AMOUNT|) → [AT/TL] ... if all paid in cash
   　 (for a payment, partially or entirely) ├→ |AMOUNT| → [CHECK] ... if all paid in check
   　 └→ Other medias may be operated (NOTE 1 below).

   Repeatable

   NOTES: 1. The operation is finalized on a media key when the indexed amount total reaches the amount declared through the [R/A] key. The media keys used for payment must be programmed to allow received-on-account entries.
   2. MULTI-TENDERING, SPLIT-TENDERING (on page 33), and SALE FINALIZATION BY CLASSIFIED CREDIT (on page 33) are applicable to the payment operation.
   3. When the [TRF] key is to be operated to transfer all the balance without payment, the prior [Chg] key may be omitted.

   → [PO] ... when the balance is negative and must be paid back to the customer in cash.

3. <u>CHARGE POSTING WITH A PREVIOUS BALANCE ENTRY DURING SALE (POST-SELECT):</u>

   A previous balance may be entered not only before other sales items but also after or between them if the [Chg] key has not been depressed. Multiple previous balance entries are possible within a sale. Even PB+ <u>and</u> PB- may be entered within a sale.

4. <u>PERCENT CHARGE/DISCOUNT ON A PREVIOUS BALANCE:</u> (on Positive PB only)

   |Previous Balance| [PB+] → (|MANUAL RATE|) [%+](or[%-]) → To be continued to "*" above.

ENTRY IN THE "[-]" (NEGATIVE) MODE (Mode Lock: [-])

When several items are returned by the same customer at a time, turn the Mode Lock to the "[-]" position using the MA key which is kept by the store manager. Then enter each item just as in the normal registering operation made in the "REG" mode. The [-] position of the Mode Lock processes the entered items exactly in the reverse way, i.e., positive items into negative, and negative into positive.

The positive total balance resulted in the [-] mode indicats the amount to be refunded to the customer.

The Negative Mode operations may be programmed to be prohibited.

REGISTERING RECEIPT SAMPLES

LOAN

Thank you
Call again

12-10-85
№123.456

**   R/A

*15.00   FS CA
*10.00   ID ID
1 ♂   *25.00   ID
0130 №
08-25

- Store Name/Message Stamp
- Date: Dec.10, 1985
- Register No. 123456
- Loan Header
  Cash Loaned
  Food Stamp Loaned
  Total Amount Loaned
- Clerk ID
- Receipt Consecutive No.
- Current Time

PICK UP

Thank you
Call again

12-10-85
№123.456

**   PO

-50.00   CA ID
-10.00   CK ID
-20.00   FS ID
1 ♂   -80.00   ID
0131 №
08-25

- Pick-Up Header
  Cash Picked Up
  Check Picked Up
  Food Stamp Picked Up
  Total Amount Picked Up

Check Cashing

No-sale

```
   Thank you
   Call again

    12-10-85
    №123456

1 ₵    *1500  CK TL    — Check Amount Cashed
0090 №
07.-34
```

```
   Thank you
   Call again

    12-10-85
    №123456

1 ₵      *    NS    — No-sale Symbol
0087 №
07.-30
```

Received on Account, Non-add Number

Paid Out, Item Correction

```
   Thank you
   Call again

    12-10-85
    №123456

#15                     ┌Non-add #15
                        └(e.g. Customer ID)
        *500   RA       $5.00 received
       *1000   CA TL R/A  $10.00 received
1 ₵    *1500            Total Amount Received
0088 №
07.-32
```

```
   Thank you
   Call again

    12-10-85
    №123456

       *2000   PO       $20.00 paid out
-----*1000-    PO       $10.00 paid out, but
       *2000   ST            item-corrected
1 ₵    *2000   TL       Subtotal
0089 №                  Total Amount Paid Out
07.-33
```

Department, Repeat, Quantity Extension, Cash Total

```
    Thank you
    Call again

     12-10-85
      №123.456

01 *      *1.23  T/M F/M
02 *      *2.50  T/M F/M
02 *      *2.50  T/M F/M
 5.    X  1.23  @
01 *      *6.15  T/M F/M
         *1.24  CA TX
        *13.62  TL
1 □   8.   ***  ITM
0110  №.
C8-03.
```

Symbols:
 T/M = Taxable
 F/M = Food Stampable
 SI = Selective
        Itemized
(If both F/M & SI are
on one item, SI is
not printed.)

- DP1 $1.23
- DP2 $2.50
- DP2 repeated
- ⌐ 5 x $1.23@
  ⌐ = $6.15 inot DP1
- Tax due
- Finalized as Cash
- Total Item Count purchased in this sale

PLU, Repeat, Quantity Extension, Split Pricing

```
    Thank you
    Call again

     12-10-85
      №123.456

090.1 PLU   *1.15  T/M F/M
 3.      X  1.75  @
070.2 PLU   *5.25  T/M SI
 5.   *     1.70  @
 2.      X
040.2 PLU   *0.68  F/M
         *0.64  TX
         *7.72  CA TL
1 □   6.   ***  ITM
0111  №.
C8-04.
```

- PLU No.901 $1.15
- ⌐ 3 x $1.75@
  ⌐ = $5.25 into PLU No.702
- ⌐ Out of 5 items ($1.70),
  2 purchased = $0.68
  into PLU No.402

Item Correct, Void

```
    Thank you
    Call again

     12-10-85
      №123.456

01 *      *1.50  T/M F/M
02 *- - - -*2.00- T/M F/M
05 *      *3.00  F/M
01 *      *1.50  CA TM
         *3.00  TL VD
1 □   1.   ***  ITM
0116  №.
C8-09.
```

DP2, item-corrected

-The first line (DP1) is deleted by this voiding.

Returned Merchandise

```
    Thank you
    Call again

     12-10-85
      №123.456

02 *      *2.50  T/M T/M
070.2 PLU   *1.75  RTN RTN
         -0.43  TX
         -4.68  CA TL
1 □  -2.   ***  ITM
0113  №.
C8-05.
```

DP2 $2.50 returned
PLU 702 $1.75 returned
Tax to be returned

Total Amount to be returned in cash

Percent Discount, Percent Charge

Thank you
Call again

12-10-85
NO.123,456

```
04*          *3.40   TM
                     F/M
   20.        % -
             -0.68
14*          *3.20   TM
                     ST SI
             *5.92
   10.        % +
             *0.59
             *0.66   CA TX
             *7.17   TL
  1 CL   2.   ***  ITM
  0115 NO.
  08.-09.
```

— 20% Discount from the above item

— 10% Charge on the above subtotal

Vendor Coupon

Thank you
Call again

12-10-85
NO.123,456

```
13*          *2.10   TM TM TM
14*          *3.20   SI SI SI
12*          *1.40   ST
             *6.70
1            *5.00   CPN
             *0.67   CA TX
             *2.37   TL
  1 CL   3.   ***  ITM
  0117 NO.
  08.-10.
```

Vendor Coupon $5.00
("1" indicates Vendor Coupon itself.)

Dollar Discount

Thank you
Call again

12-10-85
NO.123,456

```
14*          *3.20   TM TM
13*          *2.10   F/M SI
100.1 PLU    *2.20
             -0.50
             *0.75   CA TX
             *7.75   TL
  1 CL   3.   ***  ITM
  0114 NO.
  08.-08.
```

— Dollar Disc. $0.50

Selective Itemizer Read

Thank you
Call again

12-10-85
NO.123,456

```
01*          *2.50   TM TM TM
02*          *3.10   F/M F/M F/M
09*          *3.00
10*          *1.80
             *0.56   SI
             *1.04   TX
             *11.44  CA TL
  1 CL   4.   ***  ITM
  0128 NO.
  08.-22.
```

— Selective Itemized Amount
(Print/Non-print Selective)
(% Rate Programmable)
(Net/Non-net to Sale Total Selective)

Bottle Return

```
     Thank you
     Call again

        12-10-85
         NO.123.456

100.2 PLU   *1.75   TM
06*         *4.50   F/M F/M
     6.    X 0.10   @
BR          *0.60
            *0.18   TX
            *5.83   CA TL

     1 ᴄᴸ 2.  ***  ITM
     0118  NO.
     08.-11.
```

⎤ 6 bottles x
⎦ $0.60@ returned

Tax Exemption

```
     Thank you
     Call again

        12-10-85
         NO.123.456

01*         *1.30   TM TM
02*         *5.00   F/M F/M
07*         *3.40
08*         *2.40   F/M F/M
EX 1        *6.30
            *12.10  CA TL

     1 ᴄᴸ 4.  ***  ITM
     0144  NO.
     08.-43.
```

Tax 1 Exempted, Amount
   subject to Tax Exemption

Manual Tax

```
     Thank you
     Call again

        12-10-85
         NO.123.456

05*         *1.20   F/M F/M
06*         *2.30
            *0.10   TX
            *3.60   CA TL

     1 ᴄᴸ 2.  ***  ITM
     0132  NO.
     08.-27.
```

Manual Tax $0.10

Check Tender, Change due

```
     Thank you
     Call again

        12-10-85
         NO.123.456

13*         *2.10   TM TM
14*         *3.20   SI SI
080.2 PLU   *5.00   F/M
            *0.53   TX
            *10.83  TL
            *10.83  CK
            *0.00   CG

     1 ᴄᴸ 3.  ***  ITM
     0120  NO.
     08.-13.
```

Tax due
Sale Total
Check Tendered
Change due

Credit Card

```
      Thank you
      Call again

        12-10-85
         NO.123456


   13★        ★2.10      TM TM
   14★        ★3.20      SI SI
   080.2 PLU   ★5.00     F/M
              ★0.53   TX
   05★★      ★10.83   CH TX   TL    ← Card No.5 Sale
                      TL
    1 ☐  3    ★★★  ITM
   0122 NO.
   08-15
```

Food Stamp and Cash

```
      Thank you
      Call again

        12-10-85
         NO.123456


   13★        ★2.10      TM TM
   14★        ★3.20      SI SI
   080.2 PLU   ★5.00     F/M
              ★0.53   TX
             ★10.83   TL        ← Sale Total
              ★5.00   FS TL     ← Food-stampable Total
              ★5.00   FS        ← Food Stamp Tendered
              ★5.83   CA TL     ← Cash-paid Portion

    1 ☐  3    ★★★  ITM
   0119 NO.
   08-12
```

Split Tender

```
      Thank you
      Call again

        12-10-85
         NO.123456


   13★        ★2.10      TM TM
   14★        ★3.20      SI SI
   080.2 PLU   ★5.00     F/M
              ★0.53   TX
             ★10.83   TL        ← Sale Total
              ★5.00   CK TL     ← Check-paid Portion
              ★3.00   CA        ← Cash-paid Portion
              ★2.83   CH TL     ← Charge Portion

    1 ☐  3    ★★★  ITM
   0124 NO.
   08-17
```

Multi Credit Card Tender

```
      Thank you
      Call again

        12-10-85
         NO.123456


   13★        ★2.10      TM TM
   14★        ★3.20      SI SI
   080.2 PLU   ★5.00     F/M
              ★0.53   TX
             ★10.83   TL        ← Sale Total
   04★★       ★5.00   CH        ← Card No.4-paid Portion
   08★★       ★5.83   CH TL     ← Card No.8-paid Portion
    1 ☐  3    ★★★  ITM
   0123 NO.
   08-16
```

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Previous Balance, Charge Posting

Debit Balance Sample

Thank you
Call again

12-10-85
№123456

PB	*0.00	
13*	*2.10	TM TM SI SI
14*	*3.20	
	*0.53	CH TX TL
	*5.83	
	*5.83	TF

1 ㎜ 2. ***ITM
0137 №
08.-33.

CHARGE POSTING
INITIATION
(for a new customer)

─ Previous Balance "0"

─|Sale Items
─|

─ All Balance Transfer

Σ122450

PB	*5.83	
080.1 PLU	*2.00	TM F/M F/M
02*	*2.00	
	*0.20	CH TX TL
	*10.03	R/A
	*5.00	CK
	*5.00	CG
	*0.00	
	*5.03	TF

1 ㎜ 2. ***ITM
0138 №
08.-34

─ Previous Balance

─|Sale Items
─|

Sale Total

─|Partial Payment
─|$5.00 in check

New Balance

Σ122450

PB	*5.03	
	*5.03	CH TL
	*5.03	R/A
	*5.03	CA TL
	*0.00	TF

1 ㎜ 0. ***ITM
0139 №
08.-35.

─ Previous Balance

Sale Total

─|All Paid in cash
─|

Credit Balance Sample

Thank you
Call again

12-10-85
№123456

PB	*0.00	
03*	*1.60	TM F/M
	*0.16	CH TX TL
	*1.76	
	*5.00	CA
	*5.00	TL
	-3.24	TF

1 ㎜ 1 ***ITM
0140 №
08.-37.

CHARGE POSTING
INITIATION
(for a new customer)

─ Previous Balance "0"

─ Sale Item

─|$5.00 paid in cash

─Negative Balance
          Transfer

Σ122450

PB	-3.24	
	-3.24	CH TL
	*3.24	CG
	*0.00	TF

1 ㎜ 0. ***ITM
0141 №
08.-38.

─ Previous Balance

─|The balance is
─|negative; therefore,
paid back to the
customer in cash.

Receipt Issued in REG or MGR mode

Receipt Issued in |-| mode

```
    Thank you
    Call again

    12-10-85
   NO.123.456


03 *      *1.30   TM TM @ TM
   5.    X 2.10   F/M F/M
02 *     *10.50   TM TM F/M
100.2 PLU *1.75   F/M F/M
          -0.20
          *1.36   CA TX
         .*1471   TL
1 CL  7.   ***ITM
0134 NO.
08.-30.
```

ex.) A customer who
once purchased items
listed in the left
receipt comes up to
return all the items.
The clerk asks the
store manager to
turn the Mode Lock
to the |-| position,
and registeres all
the items, one by
one, following the
customer's receipt.
The contents of the
two receipts are
same except that the
Negative Mode Header
(** RTN) is printed
on the right one.
The total amount
in the right-side
receipt must be
returned to the
customer.

```
    Thank you
    Call again

    12-10-85
   NO.123.456


            **    TM TM @ TM
03 *      *1.30   F/M F/M RTN
   5.    X 2.10
02 *     *10.50   TM TM @ TM
100.2 PLU *1.75   F/M F/M
          -0.20
          *1.36   CA TX
         *1471    TL
1 CL  7.   ***ITM
0135 NO.
08.-31.
```

— Negative Mode Header

Normal Receipt

Post-issue Receipt

```
    Thank you
    Call again

    12-10-85
   NO.123.456


03 *      *1.50   ITM TM TM TM
14 *      *3.20   SI SI F/M
070.1 PLU *1.50   CA TX TM
          *0.62   TL
          *6.82
1 CL  3.   ***ITM
0133 NO.
08.-29.
```

Post-issue Receipt (issued with [RECEIPT ISSUE] Key)

```
    Thank you
    Call again

    12-10-85
   NO.123.456


1 CL     *6.82   TL
0133 NO.
08.-29.
```

Only the sale total
amount is printed on
a Post-issue Receipt.

VALIDATION PRINT SAMPLES

RECEIPT   VALIDATION TIMING   VALIDATION PRINT

Date (Month-Day)	Receipt Consecutive No.	Symbol/ID of Dept, PLU, etc.	Amount	Transaction ID

```
12-10    0148       01*        *1.20   TM
                                       FH
```

```
Thank you
Call again

  12-10-85
    №123,456

01*      *1.20  TM
   10.          FH
                %+
         *0.12
0701₂    *1.50  TM
    PLU         SI
         *0.27  CH TX
07**     *3.09  TM
                TL
 1 ₫  2   ***   ITH
0148 №.
 08-47.
```

```
12-10    0148                   *0.12
```

```
12-10    0148       0701₂    *1.50   TM
                    PLU               SI
```

after [TXBL TL] key (allowed only when the "Total Validation" option is selected.)

```
12-10    0148        1 ₫       *3.09    TL
```

```
12-10    0148        1 ₫      *3.09   CH
                                       TL
```

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READ(X) AND RESET(Z) REPORTS

The following table shows the key operation to take each report. The "X" and "Z" reports have exactly the same print content if both are available, except that:

1. The "X" reports allow to read the sales data but not clear memories, while the "Z" reports allow to read the sales data and at the same time all the resettable memories will be cleared when the reports have been issued.

2. The symbol "X" is printed on the top line of an "X" report, while "Z" is printed on a "Z" report, to indicate the type of report.

3. A reset count is printed on the bottom of a "Z" report only.

TABLE OF OPERATIONS FOR X AND Z REPORTS

REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
CASH-IN-DRAWER READ	X	[#] (or [#/NS]) (Drawer opens.)	51
MEDIA SALES AND IN-DRAWER TOTAL READ	X	9 [AT/TL] (Drawer opens.)	51
INDIVIDUAL TRANSACTION READ:	X		
. Taxable Total, Tax Total		[TXBL TL]	52
. Percent Charge		[%+]	52
. Percent Discount		[%-]	52
. Vendor Coupon		[VND CPN]	52
. Store Coupon		[STR CPN]	52
. Dollar Discount		[DOLL DISC]	53
. Bottle Return		[BTL RTN]	53
. Received on Account		[R/A]	53
. Paid Out		[PO]	53
. Item Correct and Void		[ITEM CORR] or [VOID] or [IC/VD]	54
. Returned Merchandise and Negative Mode		[RTN MDSE]	54
. Selective Itemizer		[SI/TL]	54
. Tax Exemption		[EX]	54
. PB, Transfer		[TRF]	55
. Card No. Credit Sale		[CARD NO]	55
CLERK READ AND RESET . Individual Clerk Read . Individual Clerk Reset (The Reset Reprot is available on the 4-clerk key machine only.)	X Z	⌐⌐ Set the required Clerk Key to ON, 1 → [AT/TL]. (Drawer opens.)	56
DEPARTMENT READ AND RESET . Individual Department Read	X	Depress the required Dept Keys, one by one, [ST] may be used to obtain subtotal, [AT/TL] to end.	57
. All Department Read (Available with any option) . All Department Reset (Available only with "All Dept Report Separated from Auto Report" option)	X Z	⌐⌐ 11 [AT/TL]	58

-- To be continued --

REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
. Department Gross Profit Read	X	12 [AT/TL]	59
. Department Group Read	X	13 [AT/TL]	60
PLU READ AND RESET			
. Zone PLU Read . Zone PLU Reset	X Z	⌐ | Start PLU Code | [@/FOR] | End PLU Code | [PLU]	61
. Sorted PLU Read . Sorted PLU Reset	X Z	⌐ |_|_|_|_| [PLU] PLU Sort Code | Enter a 4-digit number composed of at least one decimal point ([.] key) and any numerics. ex.) When inputs |.|.|.|2|: ↓ Outputs PLUs of PLU Nos: 0001, 0012, 0022 ... ... 9992 When inputs |1|1|.|.|: ↓ Outputs PLUs of PLU Nos: 1100, 1101, 1102 ... ... 1199 When inputs |1|1|1|.|: ↓ Outputs PLUs of PLU Nos: 1110, 1111, 1112 1119	61
. Individual PLU Read	X	|PLU Code|[PLU] ([ST]) [AT/TL] ↑_____↓ | Repeatable To end	62
. All PLU Read . All PLU Reset	X Z	⌐ [PLU]	62
. Individual PLU Stock Read (Available only for PLUs of Stock Status)	X	|PLU Code|[STOCK] [AT/TL] ↑_____↓ Repeatable	63
. Zone PLU Stock Read	X	| Start PLU Code | [@/FOR] | End PLU Code | [STOCK] (Only the PLUs of Stock Status in the zone will be read out.)	63
. All PLU Stock Read	X	[STOCK] (Of all the PLUs, only the PLUs of Stock Status will be read.)	63

-- To be continued --

REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
DEPARTMENT AND PLU ABC ANALYSIS READ . Best Selling Departments in Quantity	X	1 [#] |Ending Rank No.| [AT/TL] ex.) If "4" is entered, the best 4 Depts will be read.	64
. Best Selling PLUs in Quantity		1 [#] |Ending Rank No.| [PLU]	64
. Best Selling Departments in Amount		2 [#] |Ending Rank No.| [AT/TL]	65
. Best Selling PLUs in Amount		2 [#] |Ending Rank No.| [PLU]	65
. Worst Selling Departments in Quantity		3 [#] |Ending Rank No.| [AT/TL]	66
. Worst Selling PLUs in Quantity		3 [#] |Ending Rank No.| [PLU]	66
. Worst Selling Departments in Amount		4 [#] |Ending Rank No.| [AT/TL]	67
. Worst Selling PLUs in Amount		4 [#] |Ending Rank No.| [PLU]	67
		NOTES 1) Depts or PLUs with sales data of "0" or negative value will not be outputted. 2) If the "Ending Rank No." before [AT/TL] or [PLU], all the Depts or PLUs (except those described in NOTE 1)) will be outputted.	
. Non-active PLUs		5 [#] [PLU]	63
HOURLY READ AND RESET . Hourly Read . Hourly Reset	X Z	⌐ 10 [AT/TL]	68
AUTO READ AND RESET (DEPT + FINANCIAL + CLERK + DEPT GROSS PROFIT)		**NOTES** 1) If "All Dept Report Separated from Auto Report" option is selected, the DEPT data will only be available by DEPARTMENT READ AND RESET operations. See page 48.) 2) Whether the DEPT GROSS PROFIT data is printed here is another programmable option.	

REPORT NAME	MODE LOCK	KEY OPERATION	SAMPLE PAGE
. Auto Read . Auto Reset	X Z	⊐ [AT/TL] (Drawer opens. Programmable not to open the drawer.)	69
GT REPORTS (GT Lock: GTX or GTZ) (Accumulated Sales Data to be reset on a weekly or monthly basis but not daily.) Mode Lock: any position The key operation for each report	GT LOCK	is the same as its corresponding daily report described above.	
DEPARTMENT GT READ AND RESET . All Department GT Read . All Department GT Reset	GTX GTZ	⊐ 11 [AT/TL]	73
. Department Gross Profit GT Read	GTX	12 [AT/TL]	73
. Department Group GT Read	GTX	13 [AT/TL]	73
AUTO GT READ AND RESET . Auto GT Read . Auto GT Reset	GTX GTZ	⊐ [AT/TL] (Drawer opens. Programmable not to open the drawer.)	73

NOTES
1. No clerk key is necessary to issue reports except CLERK READ AND RESET reports.
2. Refer to the report print samples on the following pages.
3. As for PROGRAMMED DATA VERIFICATION operations, which are also available in the "X" mode, see the "VERIFICATION OF PROGRAMMED DATA" near the end of the PROGRAMMING MANUAL separately issued.
4. Reset reports will be printed on the receipt roll and issued regardless of the [RECEIPT ON/OFF] position.
5. The [ITEM CORR] (or [IC/VD]) key may be depressed halfway during printing a report in order to abort the receipt issuance.

REPORT PRINT SAMPLES

CASH-IN-DRAWER READ

Mode Lock: X, depress [#](or[#/NS]).

MEDIA SALES AND IN-DRAWER TOTAL READ

Mode Lock: X, enter 9, depress [AT/TL].

Thank you
Call again

12-10-85
№ 123456

X
48. CUS TL — Total Customer Count
★330.28 TL — All Media Sales Total
★165.07 CA ID TL — Cash-in-drawer Total
0 CU
0 1.52 №
09.-27.

Thank you
Call again

12-10-85
№ 123456

X 0.9
48. CUS TL Report Header / Total Customer Count
★330.28 TL All Media Sales Total
32. CUS CA Cash Customer Count
★198.28 CA TL Cash Sale Total
2. CUS CK Check Customer Count
★27.16 CK TL Check Sale Total
6. CUS CH Charge Customer Count
★48.44 CH TL Charge Sale Total
0. CUS FS Food Stamp Cus. Count
★28.00 FS TL Food Stamp Sale Total
6. CUS PB Previous Balance Cus.Count
★28.40 PB TL Previous Balance Total
★165.07 CA ID TL Cash-in-drawer Total
6. CK ID Check-in-drawer Count
★67.16 CK ID " Total
6. FS ID Food Stamp-in-dr. Count
★28.00 FS ID " Total
★0.00 FS CG ID Food Stamp Change
0 CU
0 1.53 №
09.-27.

(Some media-in-drawer items may not be printed by option.)

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Taxable Total, Tax Total ([TXBL TL])

```
     Thank you
     Call again


      12-10-85
      №123.456


         X
1        *219.18   ⁀ⁱⁱ     Tax 1 Taxable Total
1         *23.68   ×   ×   Tax 1 Tax Total
4          *0.10   ⁀       Tax 4 (Manual Tax)
  0 ⌀                          Total
  0 1.54 №
  0 9.-28.
```

Percent Charge ([%+])

```
     Thank you
     Call again


      12-10-85
      №123.456


         X
         3.       %+     Percent Charge Count
        *1.30     %+        "       "    Total
  0 ⌀
  0 1.55 №
  0 9.-29.
```

Vendor Coupon ([VND CPN])
(Store Coupon: [STR CPN])

```
     Thank you
     Call again


      12-10-85
      №123.456


         X
1        2.      ⁀⁀     Vendor Coupon Count
1       *10.00   ⁀⁀        "       "    Total
  0 ⌀
  0 1.57 №             (In case of Store
  0 9.-29.             Coupon Read, "2" is
                       printed instead of
                       "1" on the leftmost
                       digit.)
```

Percent Discount ([%-])

```
     Thank you
     Call again


      12-10-85
      №123.456


         X
         0.       %-    %- Count ⌐
        *0.00     %-    "  Total ⌐ (on Subtotal)
         2.       %-    %- Count ⌐
        *1.36     %-    %- Total ⌐ (on Item)
  0 ⌀
  0 1.56 №
  0 9.-29.
```

Dollar Discount ([DOLL DISC])

```
   Thank you
   Call again

    12-10-85
    NO.123,456

       X
         2.        —
       *1.00       —

 0 ᄅ
 0 1.5 8 NO.
 0 9.-2 9.
```
Doll Disc. Count
" " Total

Bottle Return ([BTL RTN])

```
   Thank you
   Call again

    12-10-85
    NO.123,456

       X
         1 2.
       *1.2 0

 0 ᄅ
 0 1.5 9 NO.
 0 9.-2 9.
```
BR BR
Bottle Return Count
" " Total

Received on Account ([R/A])

```
   Thank you
   Call again

    12-10-85
    NO.123,456

       X
         2.
       *1 5.0 0

 0 ᄅ
 0 1.6 0 NO.
 0 9.-2 9.
```
R/A R/A
RA Count
" Total

Paid Out ([PO])

```
   Thank you
   Call again

    12-10-85
    NO.123,456

       X
         1.
       *2 0.0 0

 0 ᄅ
 0 1.6 1 NO.
 0 9.-3 0.
```
PO PO
Paid-out Count
" Total

Item Correct and Void ([ITEM CORR], or [VOID], or [IC/VD])

```
     Thank you
     Call again

       12-10-85
       NO.123.456

          X
              2.
           *4.00
              2.
           *3.00
              1.
          *10.00
       0 CD
       0 1.62 NO.
       0 9.-30.
```

Void1 Count (Item Corr)
"   Total on DP+

Void2 Count (Void on)
"   Total DP+

Void3 Count Item Corr
"   Total on Others

Returned Merchandise and Negative Mode ([RTN MDSE])

```
     Thank you
     Call again

       12-10-85
       NO.123.456

          X
              5.
        *3.411.70
              1.
           *14.91
       0 CD
       0 1.63 NO.
       0 9.-30.
```

Rtn Mdse Item Count
"   Total

Negative Mode Count
"   "   Total

Selective Itemizer ([SI/TL])

```
     Thank you
     Call again

       12-10-85
       NO.123.456

          X
              2.
           *1.11
       0 CD
       0 1.64 NO.
       0 9.-31.
```

S.I. Read Count
S.I.-processed
Amount Total

Tax Exemption ([EX])

```
     Thank you
     Call again

       12-10-85
       NO.123.456

          X
              2.
           *12.60
       1 CD
       0 1.67 NO.
       0 9.-48.
```

Tax-exempted Cus. Count
Sale Amount subject to
Tax1 Exemption

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```
      Thank you
      Call again

      12-10-85
     NO.123456

        X
      *16.61   TF TF
      *16.61   TF TF
       *0.00   TF TF
      *16.61   TF TF
       *0.00   TF TF
         8.    CUS
      *28.40   PO R/A TL
      *15.03
       *3.24
    1 ₵
    0168  NO.
    09.-49.
```

Transfer Balance *
Transfer Positive *
Transfer Negative *
Transfer Daily Posi
Transfer Daily Nega
PB Total Cus. Count
PB Total
PB Payment Received
PB Paid Back

```
      Thank you
      Call again

      12-10-85
     NO.123456

        X
 04*       1
         *5.00   CH
 05*       1
        *10.83   CH
 07*       1
         *3.09   CH
 08*       1
         *5.83   CH
           4.
        *24.75   TL
    1 ₵
    0169  NO.
    09.-49.
```

Card No.4 Sale Count
  "   Sale Total
Card No.5

Card No.7

Card No.8

Card No. Credit Sale
   Total Count
   Total Amount

NOTE: Items marked with "*" are accumulated
      and therefore non-resettable.

Reset Report Sample

```
Thank you
Call again

   12-10-85
   №123.456


        Z                    (X for Read)
 1 ☐ **                      Clerk ID
      148.   ITM GS          Gross Sale Item Count
   *3,790.41   GS            Gross Sale Total
      132.   ITM NS          Net Sale Item Count
   *330.80   NS             Net Sale Total
      132.   ITM NS          Net Sale Item Count
   *3545.8   NS             Net Sale Total
       49.   CUS TL          Total Customer Count
   *342.38   TL             All Media Sales Total
   *167.17   CA ID           Cash-in-drawer Total
    *57.16   CK ID           Check-in-drawer Total
    *18.00   FS ID           Food Stamp-in-drawer Total
 1  *10.00   ON              Vendor Coupon Total
 1  *3,435.83  –             NEG 1
 2   *12.20   –
     *15.00   RA            Received on Account Total
     *20.00   PO            Padi Out Total
 2   *50.00   LN            Loan Total
 2   *80.00   PO            Pick Up Total
  *      2.69 ITM
  *     *6.75
         3.   NS
 1 ☐ 0 0 0.1 Z
 0 2.0 2 №
 1 0.-2 2.
```

Gross Sale Item Count
Gross Sale Total

Net Sale Item Count _
Net Sale Total _ |(Net Sale Without Tax) -- Print/Non-print Selective

Net Sale Item Count _
Net Sale Total _ |(Net Sale With Tax) -- Print/Non-print Selective

Total Customer Count
All Media Sales Total
Cash-in-drawer Total
Check-in-drawer Total
Food Stamp-in-drawer Total
Vendor Coupon Total

NEG 1 (= %- on Item + Negative Dept Total + VD1 + VD2 + DP-net-BTL.RTN
       + STR CPN + RTN MDSE + Neg.Mode + Returned Tax)
       NEG 2 (+ %- on ST + DOLL DISC + Inside-sale-BTL.RTN + VD3)
Received on Account Total
Padi Out Total
Loan Total
Pick Up Total

Net Sale Item Count per Customer
Net Sale Amount (without tax) per Customer
No-sale Counter

—— Reset Report Counter (not print on a X report)

DEPARTMENT READ AND RESET

Individual Department Read (Mode Lock: X, depress the required Dept. Key(s), depress [ST] to obtain the subtotal, depress [AT/TL] end.)

```
    Thank you
    Call again

    12-10-85
    №123456


     X
01*    11.    CUS
       19.    ITM
     *29.36
02*     9.    CUS
        9.    ITM
     *30.60
03*     3.    CUS
        3.    ITM
     *10.99
       31.    ITM ST
     *70.95    ST ST
06*     3.    CUS
        3.    ITM
     *11.?
07*    10.    CUS
       20.    ITM
     *71.80
       34.    ITM ST
    *104.40    ST ST
09*     4.    CUS
        4.    ITM
     *8.40
10*     6.    CUS
        6.    ITM
     *11.50
       10.    ITM ST
     *19.90    ST ST

       75.    ITM TL
    *195.25    TL TL
0 ⌀
01.72 №
09.-51.
```

Dept. 1 Customer Count   [DEPT 1]
        Item Count
        Sale Amount

Dept. 2   [DEPT 2]

⋮   [DEPT 3]

Item Count Subtotal (Depts 1, 2, & 3) [ST]
Sale Amount Subtotal ("   )

                                [DEPT 6]
                                ⋮

Item Count Total (of all the Depts   [ST]
Sale Amount Total (read in this report) [AT/TL]

All Department Read (or Reset)

Mode Lock: X for READ
Mode Lock: Z for RESET
), Enter 11, depress [AT/TL]

Read Report Sample

```
Thank you
Call again

   12-10-85
      NO. 123.456


      X  1.1
01★     11.      CUS
        19.      ITM
      ★29.36
      8.91        %
02★      9.      CUS
         9.      ITM
      ★30.60
      9.29        %
03★      3.      CUS
         3.      ITM
      ★10.90
      3.3        E
04         ★0.00
      0.00        %
12★      2.      CUS
         2.      ITM
       ★2.80
      0.85        %
13★     20.      CUS
        20.      ITM
      ★42.00
     12.75        %
14★     23.      CUS
        23.      ITM
      ★73.60
     22.34        %
15★      0.      CUS
         0.      ITM
       ★0.00
0  CL
0 1.73  NO
0 9.-52.
```

(Z for Reset)

Dept. 1 Customer Count
        Item Count
        Sale Amount
        Sale Portion ($= \dfrac{\text{Sale Amount of this Dept.}}{\text{Total Sale Amount of All Positive Dept.}}$)

Dept. 2
  :
  :

—(As Dept.15 is a negative department in this sample, no "Sale Portion" line is printed here.)

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```
┌─────────────────┐
│                 │
│   Thank you     │
│   Call again    │
│                 │
│   12-10-85      │
│     №123.456    │
│                 │
│     X  1.2      │
│ 08★    21.    % │  Dept. 8      Gross Profit Rate 21%        (The print order is
│       ★15.07    │               Gross Profit Amount           automatically determined
│ 14★    20.    % │  Dept.14                                    by the Gross Profit Amount.)
│       ★14.72    │      ⋮
│ 13★    15.    % │
│        ★6.30    │
│ 07★    25.    % │
│        ★5.32    │
│ 02★    12.    % │
│        ★3.67    │
│ 01★    10.    % │
│        ★2.93    │
│ 06★    23.    % │
│        ★2.59    │
│ 10★    17.    % │
│        ★1.95    │
│ 03★    15.    % │
│        ★1.64    │
│ 09★    18.    % │
│        ★1.51    │
│ 05★    20.    % │
│        ★1.44    │
│ 04★    14.    % │
│        ★1.21    │
│ 12★    19.    % │
│        ★0.53    │
│                 │
│       17.87   % │  Average Gross Profit Rate of all the Depts preset with Gross Profit Rate
│      ★58.88  TL │  Total Gross Profit Amount
│ 0 ₵             │
│ 0 1.74 №        │
│ 0 9.-52         │
└─────────────────┘
```

- 59 -

```
  Thank you
  Call again

    12-10-85
      ≝ 1 2 3. 4 5 6


        X  1.3
01        4 0.    Ē
        ★ 7 9. 6 0
      2 4.1 6      %
02        3 7.    Ē
        ★ 1 1 1. 6 0
      3 3. 8 7      %
03        1 0.    Ē
        ★ 1 9. 9 0
        6. 0 4      %
04        4 5.    Ē
        ★ 1 1 8. 4 0
      3 5. 9 3      %
   0 ≍
   0 1. 7 5 ≝
   0 9. - 5 4
```

Department Group 1   Item Count
                     Sale Amount
                     Sale Portion ($= \dfrac{\text{Sale Amount of this group}}{\text{Total Sale Amount of all groups}}$)

Department Group 2

⋮

PLU READ AND RESET

Zone PLU Read   Mode Lock: X, Enter the
                     starting PLU
                     Code, depress
                     [@/FOR], enter the
                     ending PLU Code,
                     depress [PLU].

Sample Operation

800 [@/FOR]
899 [PLU]

```
     Thank you
     Call again

     12-10-85
      №123456

          X
0 8 0.1 ≗    1.  ፤
       *2.0 0
0 8 0.2 ≗   17.  ፤
       *6 5.0 0

          1 8.   ፤  ፫
       *6 7.0 0   ፫
0 ₫
0 1.7 6 №
0 9.-5 5.
```

PLU 801 Item Count
          Sale Amount

PLU 802

Total Item Count)
Total Sale Amount)
                  |
                  |
of this zone.

NOTES: 1. PLUs with no sales-data recorded
          will be skipped from printout.
       2. "Zone PLU Reset" is also available
          by using the "Z" position of the
          Mode Lock with the same key
          operation.

Sorted PLU Read   Mode Lock: X, Enter a 4-digit
                       data composed of
                       decimal points and
                       numerics to sort
                       required PLU Codes,
                       depress [PLU].
                       (refer to page 48)

Sample Operation

|.|.|.|1|[PLU]

```
     Thank you
     Call again

     12-10-85
      №123456

          X
0 4 0.1 ≗    1.  ፤
       *0.2 8
0 7 0.1 ≗    5.  ፤
       *7.5 0
0 8 0.1 ≗    1.  ፤
       *2.0 0
0 9 0.1 ≗    2.  ፤
       *2.3 0
1 0 0.1 ≗    2.  ፤
       *4.4 0

          1 1.  ፤  ፫
       *1 6.4 8   ፫
0 ₫
0 1.7 7 №
0 9.-5 5.
```

PLU 401

PLU 701

PLU 801

PLU 901

PLU 1001

Total

("Sorted PLU Reset is also available by
using the "Z" position of the Mode Lock
instead of "X".)

Individual PLU Read

All PLU Read or Reset

Mode Lock: X for Read
Mode Lock: Z for Reset
depress [PLU].

Reset Sample

```
Thank you
Call again

12-10-85
№123.456

       X
070.2 PLU    4.   ITM
        *7.00
040.1 PLU    1.   ITM
        *0.28
             5.   ITM ST
        *7.28    ST
090.1 PLU    2.   ITM
        *2.30

             7.   ITM TL
        *9.58    TL
0 cl
0 1.78 №
0 9.-5 6.
```

Sample Operation

```
702 [PLU]
401 [PLU]
[ST]
901 [PLU]
[AT/TL]
```

```
Thank you
Call again

12-10-85
№123.456

       Z
040.1 PLU    1.   ITM
        *0.28
040.2 PLU    5.   ITM
        *1.70
070.1 PLU    5.   ITM
        *7.50
070.2 PLU    4.   ITM
        *7.00
080.1 PLU    1.   ITM
        *2.00
080.2 PLU   17.   ITM
        *65.00
090.1 PLU    2.   ITM
        *2.30
100.1 PLU    2.   ITM
        *4.40
100.2 PLU    2.   ITM
        *3.50

            39.   ITM TL
        *93.68    TL
1 cl 000.1 Z
02.03 №
10.-2 3.
```

Individual PLU Stock Read

Mode: X, enter the required PLU Code,
depress [STOCK]. [AT/TL] to end.

Thank you
Call again

12-10-85
№123,456

X
090.1 PLU PLU   1.298
070.2   496
0 CI
01.80 №.
09.-58.

All PLU Stock Read

Mode Lock: X, depress [STOCK].

901 [STOCK]
702 [STOCK]
[AT/TL].

PLU 901 Stock Q'ty
PLU 702 Stock Q'ty

remaining

Thank you
Call again

12-10-85
№123,456

X
070.1 PLU   795
070.2 PLU   496
090.1 PLU 1.298
0 CI
0182 №
10.-00.

Zone PLU Stock Read

Mode Lock: X, enter the starting PLU Code,
depress [@/FOR], enter the ending
PLU Code, depress
[STOCK].

Sample Opration

700 [@/FOR]
799 [STOCK]

Thank you
Call again

12-10-85
№123,456

X
070.1 PLU   795
070.2 PLU   496
0 CI
01.81 №.
09.-59.

Non-active PLU Read

Mode Lock: X, enter 5, depress [#](or[#/NS]),
depress [PLU].

Thank you
Call again

12-10-85
№123,456

X
040.3 PLU
0 CI
0194 №
10.-16.

PLU 402 is non-active.

Best Selling Depts in Quantity

1 [#] |Ending Rank No.| [AT/TL]

Best Selling PLUs in Quantity

1 [#] |Ending Rank No.| [PLU]

```
Thank you
Call again

 12-10-85
   №123456

#1     X
14*      23.  ₤        No.1 Dept.
     *73.60
     22.34     %
08*      20.  ₤        No.2 Dept.
     *71.80
     21.79     %
13*      20.  ₤        No.3 Dept.
     *42.00
     12.75     %
01*      19.  ₤        No.4 Dept.
     *29.36
     8.91      %

       82.  ₤
     *216.76   ⊤∟
     65.78     %
 0 ⌐
 0183 №
 10-10.
```

Sample Operation

1 [#] 4 [AT/TL]

```
Thank you
Call again

 12-10-85
   №123456

#1     X
080.2 ₽  17.  ₤       No.1 PLU
     *65.00
040.2 ₽   5.  ₤       No.2 PLU
     *1.70
070.1 ₽   5.  ₤       No.3 PLU
     *7.50
070.2 ₽   4.  ₤       No.4 PLU
     *7.00

       31.  ₤
     *81.20   ⊤∟
 0 ⌐
 0184 №
 10-11.
```

Sample Operation

1 [#] 4 [PLU]

Best Selling Depts in Amount

2 [#] |Ending Rank No.| [AT/TL]

Best Selling PLUs in Amount

2 [#] |Ending Rank No.| [PLU]

```
    Thank you
    Call again

     12-10-85
    NO.123.456

 #2.      X
14 *      23.   ITE
        *73.60
        22.34      %
08 *      20.   ITE
        *71.80
        21.79      %
13 *      20.   ITE
        *42.00
        12.75      %
02 *       9.   ITE
        *30.60
         9.29      %

          72.   ITE
        *218.00    TL
        66.16      %
 0 CT
 01.85 NO.
 10-11
```

```
    Thank you
    Call again

     12-10-85
    NO.123.456

 #2.      X
080.2 PLU  17.   ITE
        *65.00
070.1 PLU   5.   ITE
         *7.50
070.2 PLU   4.   ITE
         *7.00
100.1 PLU   2.   ITE
         *4.40

           28.   ITE
        *83.90    TL
 0 CT
 01.86 NO.
 10-12
```

Worst Selling Depts in Quantity

3 [#] |Ending Rank No.| [AT/TL]

3 [#] 4 [AT/TL]

```
     Thank you
     Call again

      12-10-85
     ≗123.456

 #3.      X
12 *        2.    ≡
           *2.80
         0.85       %
03 *        3.    ≡
          *10.99
         3.34       %
05 *        3.    ≡
           *7.20
         2.19       %
06 *        3.    ≡
          *11.30
         3.43       %

           11.    ≡
          *32.29    ᴛ
         9.80       %
0 ᴄᴸ
01.87 ≗
10.-12.
```

Worst Selling PLUs in Quantity

3 [#] |Ending Rank No.| [PLU]

3 [#] 4 [PLU]

```
     Thank you
     Call again

      12-10-85
     ≗123.456

 #3.      X
040.1 ᴾᴸᵁ    1.   ≡
           *0.28
080.1 ᴾᴸᵁ    1.   ≡
           *2.00
090.1 ᴾᴸᵁ    2.   ≡
           *2.30
100.1 ᴾᴸᵁ    2.   ≡
           *4.40

             6.   ≡
           *8.98    ᴛ
0 ᴄᴸ
01.88 ≗
10.-12.
```

Worst Selling Depts in Amount

4 [#] |Ending Rank No.| [AT/TL]

```
        Thank you
        Call again

        12-10-85
          №123.456

 #4      X
 12*        2.      E
          *2.80
          0.85       %
 05*        3.      E
          *7.20
          2.19       %
 09*        4.      E
          *8.40
          2.55       %
 04*        9.      E
          *8.65
          2.63       %

           18.      E
          *27.05   TL
           8.21      %
 0 CJ
 0 1.89 №
 10-13.
```

Worst Selling PLUs in Amount

4 [#] |Ending Rank No.| [PLU]

```
        Thank you
        Call again

        12-10-85
          №123.456

 #4      X
 0 40.1 PLU   1.    ITM
          *0.28
 0 40.2 PLU   5.    ITM
          *1.70
 0 80.1 PLU   1.    ITM
          *2.00
 0 90.1 PLU   2.    ITM
          *2.30

              9.    ITM
          *6.28   TL
 0 CJ
 ⌐1.90 №
 10-13.
```

Mode Lock: X for READ
Mode Lock: Z for RESET) Enter 10, depress [AT/TL]

Reset Report Sample

```
Thank you
Call again

  12-10-85
  №123.456

      Z10
★★★
      15.  CUS
      51.  ITM
    *126.19
08.-00.
      34.  CUS
      81.  ITM
    *228.39
16-00.
23.-00.
1□000.1Z
02.04 №
10.-23.
```

0:00 to 8:00 :
    Customer Count
    Item Count
    Sale Amount (including Tax for US spec.; excluding Tax for CANADA
                                                                spec.)

8:00 to 16:00 :

16:00 to 23:00 (No sales-data recorded in this case)

23:00 to 24:00 ("   )

—— Reset Report Count (not print on a Read Report)

Mode Lock: X ⎫
Mode Lock: Z ⎭ Depress [AT/TL]

```
        Thank you
        Call again

        12-10-85
        № 123.456


             Z          (X for Read Report)
        *3,790.41   GT  Non-resettable Grand Total (Non-print option)
        *342.38  NS GT  Net GT (Non-print option)
          148.  ITM GS  Gross Sale Item Count
        *3,790.41    GS  "       "    Amount
            3.   %+     Percent Charge Count
          *1.30  %+      "       "       Amount
          132.  ITM NS  Net Sale Item Count  ─┐without Tax (Non-print option)
        *330.80    NS    "    "    Amount    ─┘
  1     *23.68   TX      Tax 1 Amount (Tax 2 and/or Tax 3 will also be printed on a multi-tax
  4      *0.10   TX      Tax 4 (Manual Tax) Amount                                    ECR.)
          132.  ITM NS  Net Sale Item Count ─┐with Tax (Non-print option)
        *354.58    NS    "    "    Amount    ─┘
            0.   %-     Percent Discount Count ─┐on Subtotal
          *0.00  %-      "       "     Amount ─┘
  1         2.   OM VCPN Vendor Coupon Count
  1     *10.00   VCPN    "       "     Amount
            2.    -      Dollar Discount Count
          *1.00   -       "      "      Amount
           12.          Bottle Return Count ─┐Inside-sale Type
          *1.20          "       "     Amount ─┘
 BR BR     49.  CUS TL  Total Customer Count
        *342.38   TL    All Media Total
           33.  CUS CA  Cash Customer Count
        *210.38  CA TL  Cash Sales Total
            2.  CUS CK  Check Customer Count
         *27.16 CK TL   Check  Sales Total
            6.  CUS CH  Charge Customer Count
         *48.44 CH TL   Charge Sales Total
            0.  CUS FS  Food Stamp Customer Count
         *28.00 FS TL   Food Stammp Sales Total
            2.  R/A     Received on Account Count
         *15.00 R/A TL   "     "      "    .Total
            1.  PO      Paid Out Count
         *20.00 PO       "    "    Total

     -- To be continued --
```

```
                                      Cash-in-drawer Total
          *177.17   CA                Check-in-drawer Count
               6.   CK CK CA              "          Total
          *67.16    ID ID
               6.   FS                Food Stamp-in-drawer Count
          *28.00    FS                    "              Total
          *0.00     FS CG ID          Food Stamp Change Total
               2.   VD                Void 1 ([ITEM CORR] on positive Depts.) Count
          *4.00     VD                    "                              Total
               2.   VD                Void 2 ([VOID] on positive Depts.) Count
 2        *3.00                           "                          Total
 2             1.   C VD               Void 3 ([ITEM CORR] on others) Count
 3        *10.00    C                      "                     Total
 3             2.   % -               Percent Discount Count   ─|on Line Items
          *1.36     % -                   "        "    Amount ─|
               0.   IE                ─────────────────────────(Store Coupon; optional print)
          *0.00                       Negative Dept Item Count  └─(Bottle Return; Dept-link Type)
               5.   IE  RTN               "     "    Total
        *3,411.70   X   RTN           Returned Merchandise Item Count
          -0.86                           "           "     Total
               5.   CUS               Returned Tax Total
        -3,412.56   TL                Audaction (Sale Total of zero or negative) Customer Count
               1.   RTN TL                 "                                   Total
 2        *14.91    RTN RTN TL        Negative Mode Entry Count
 2        *16.61    TF  TL                "     "      "     Total
          *16.61    TF                Transfer Balance Accumulated  ─|Non-resettable
          *0.00     TF                Transfer Positive Accumulated  |
          *16.61    TF  TF            Transfer Negative Accumulated _|
          *0.00     TF
               8.   CUS               Transfer Positive (Daily)
 2        *28.40    TL                Transfer Negative (Daily)
 2        *15.03    RIA TL            Previous Balance Customer Count
 PB            *3.24  PO              Previous Balance Total
 PB PB PB                             Previous Balance Payment Received Total
 PB       *219.18   TX  TL            Previous Balance Paid Back to Customers
 1             2.   SI  SI
          *1.11     SI                Taxable Total 1 (2 and/or 3 will be printed if multi-tax)
               2.   CUS               Selective Itemizer Read Count
 EX       *12.60                      Selective Itemizer Process Amount
 1             2.69  IE               Tax Exemption Customer Count
     *         *6.75                  Sale Amount subject to Tax1 Exemption
     *            3.  NS              Net Sale Item Count per Customer
                 7.                   Net Sale Amount (without Tax) per Customer
 2                                    No-sale Count (optional print)
                                      Validation Counter (optional print)
```

-- To be continued --

-- Continued --

```
04 *          1.
         * 5.00    CH        Credit Card No.4 Count
                              "    "    "   Sale Total
05 *          1.
         * 10.83   CH        Credit Card No.5

07 *          1.
         * 3.09    CH        Credit Card No.7

08 *          1.
         * 5.83    CH        Credit Card No.8

              4.            Total Credit Card Count
         * 24.75   FL       Total Credit Card Sale Amount (This is included in the Charge Sales
                                                                                    Total)

01 *         11.    CUS     DEPARTMENT DATA (Refer to DEPARTMENT READ AND RESET.)
             19.    ITM
         * 29.36
         8.91       %
02 *          9.    CUS
              9.    ITM
         * 30.60
         9.29       %
03 *          3.    FL
         * 2.80
         0.85       %
13 *         20.    CUS
             20.    ITM
         * 42.00
        12.75       %
14 *         23.    CUS
             23.    ITM
         * 73.60
        22.34       %
15 *          0.    CUS
              0.    ITM
         * 0.00

01           40.    ITM     DEPARTMENT GROUP DATA (Refer to Department Group Read)
         * 79.60
        24.16       %
02           37.    ITM
         * 111.60
        33.87       %
03           10.    ITM
         * 19.90
         6.04       %
04           45.    ITM
         * 118.40
        35.93       %
```

-- Continued --

```
1 d★★
    000.1 Z
2 d★★
    000.1 Z
3 d★★
    000.0 Z
4 d★★
    000.0 Z
```

CLERK DATA (Refer to CLERK READ AND RESET)

— Individual Clerk Reset Report Count

        NOTE: Since Clerk Resets are separately taken prior to this Auto Reset Report, clerks' sales data have already been reset; therefore, no data are outputted on this report.

```
08★        2 1.      %
         ★15.07
14★        20.       %
         ★14.72
13★        15.       %
          ★6.30
07★        25.       %
          ★5.32
02★        12.       %
          ★3.67
01★        10.       %
          ★2.93
06★        23.       %
          ★2.59
10★        17.       %
          ★1.95
03★        15.       %
          ★1.64
09★        18.       %
          ★1.51
05★        20.       %
          ★1.44
04★        14.       %
          ★1.21
12★        19.       %
          ★0.53

          17.87      %
          ★58.88    TL
1 d 000.1 Z
02.05
10-24
```

DEPARTMENT GROSS PROFIT DATA (Refer to Dept. Gross Profit Read.)

— Reset Report Count (not print on Read Report)

GT REPORTS (The print form and items are the same as its corresponding daily report, except the following report header portion. Please also note that some items in daily reports are not provided in GT reports.)

All Department GT Read (or Reset)   **Dept. Gross Profit GT Read**   **Dept. Group GT Read**

Thank you
Call again

1 2 - 1 0 - 8 5
NO.1 2 3.4 5 6

★ ★ X   1.1

GT Lock: GTX for READ)
GT Lock: GTZ for RESET

enter 11, depress [AT/TL]

Thank you
Call again

1 2 - 1 0 - 8 5
NO.1 2 3.4 5 6

★ ★ X   1.2

GT Lock: GTX

enter 12, depress [AT/TL]

Thank you
Call again

1 2 - 1 0 - 8 5
NO.1 2 3.4 5 6

★ ★ X   1.3

GT Lock: GTX,

enter 13, depress [AT/TL]

Auto GT Read

Thank you
Call again

1 2 - 1 0 - 8 5
NO.1 2 3.4 5 6

★ ★ X

GT Lock: GTX, depress [AT/TL]

Auto GT Reset

Thank you
Call again

1 2 - 1 0 - 8 5
NO.1 2 3.4 5 6

★ ★ Z

GT Lock: GTZ, depress [AT/TL]

PAPER ROLL REPLACEMENT AND OTHER MAINTENANCE OPERATIONS

Journal
Winding
Reel

Fig. 1

Fig. 2

15 to 20cm
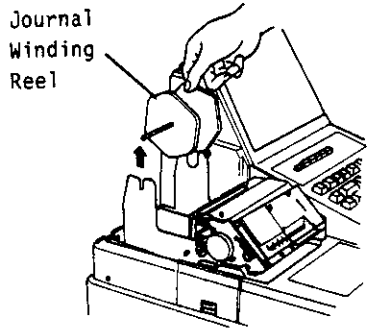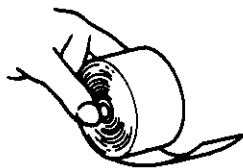
Fig. 3
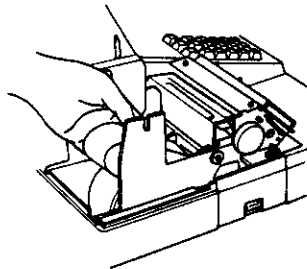
Fig. 4
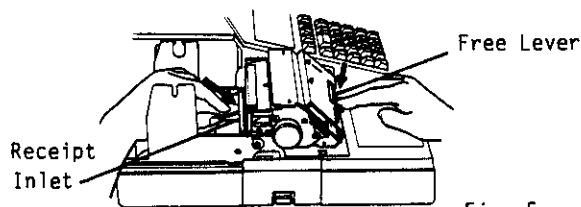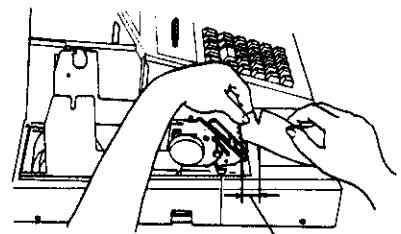
INSTALLING THE RECEIPT PAPER

1. Turn the Mode Lock to the "REG" position with the power on.
2. Remove the Paper Cover by pulling it upward, and remove the Journal Winding Reel (Fig. 1).
3. Hold a new paper roll in the direction as shown in Fig. 2 so that the paper end will be fed from the bottom.
4. Fold the paper end firmly as shown in Fig. 3 to ease the insertion.
5. Place the paper roll in the outer-side holder of the two roll holders (Fig. 4).
6. Insert the paper end into the Receipt Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [RF] key). (Fig. 5)
7. When all the folded portion comes out, tear off the unnecessary part with an approprate end length remaining (approx. 5cm or 2 inches). (Fig. 6)
8. Go on to INSTALLING THE JOURNAL PAPER steps if necessary, or go on to Step 8 below if not.
9. Attach the Paper Cover. Meanwhile, the paper end must be seen outside the cover.
0. Press the [C] key to clear the paper-end condition, and depress the [NS] key and cut the issued receipt to check if the paper has properly been set.

Free Lever

Receipt
Inlet

Fig. 5

Fig. 6

Approx. 5cm
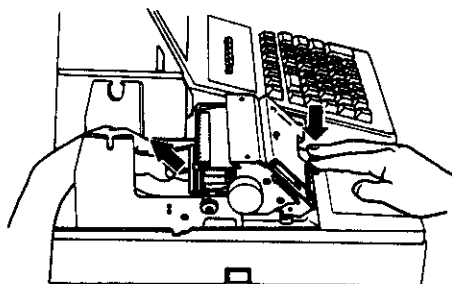
REMOVING THE RECEIPT PAPER

1. Remove the Paper Cover by pulling it upward (Fig. 1).
2. Press the Free Lever down and pull the old paper core puward to remove the remaining paper end (Fig. 7).
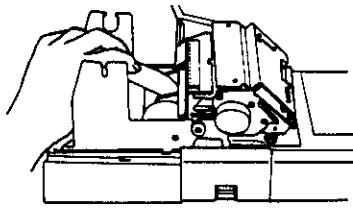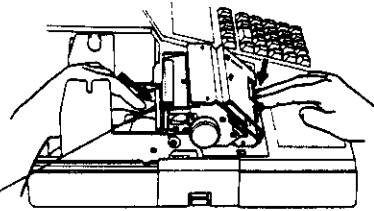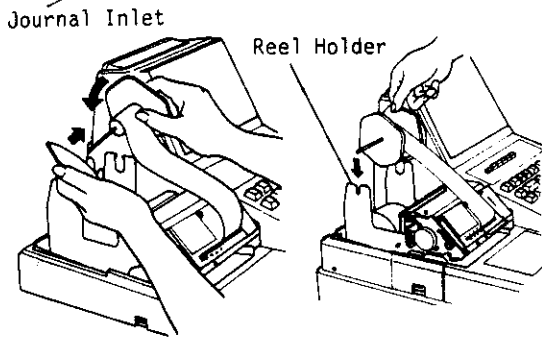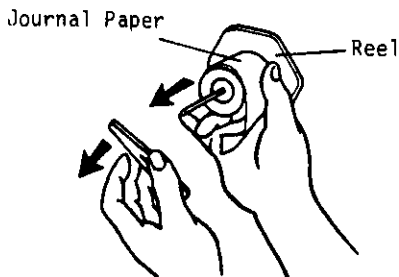
Fig. 7

Fig. 8

Journal Inlet
Fig. 9

Reel Holder
Fig. 10

Journal Paper
Reel
Fig. 11

INSTALLING THE JOURNAL PAPER

1. Turn the Mode Lock to the "REG" position with the power on.
2. Remove the Paper Cover by pulling it upward, and remove the Journal Winding Reel. (Fig. 1 on the previous page)
3. Follow Steps 3 and 4 of INSTALLING THE RECEIPT PAPER on the previous page.
4. Place the paper roll in the inner-side roll holder of the two holders. (Fig. 8)
5. Insert the paper end into the Journal Inlet, feed the paper in while pressing down the Free Lever (or feed the paper in while pressing the [JF] key). (Fig. 9)
6. When the paper comes out for a enough length, wind the paper end on the Journal Winding Reel two or three times, and set the Journal Winding Reel to the Reel Holder. (Fig. 10)
7. Attach the Paper Cover.
8. Press the [C] key before starting operation.

REMOVING THE JOURNAL PAPER

1. Remove the Receipt Cover by pulling it upward (Fig.1 on the previous page).
2. Press the [JF] key to wind up enough portion of the journal paper, and then tear off the paper, holding the Journal Winding Reel.
3. The wound-up portion of the paper can easily be removed from the Reel by pulling it side way (Fig. 11).
4. If enough paper remains on the roll, follow Steps 6 through 8 above; if paper is running out, follow Steps 1 through 8 above.

REPLACING THE INK ROLL

When the receipt and journal print is too light, replace the ink roll in the following manner.

Cover

Fig. 1

Press down the lever.
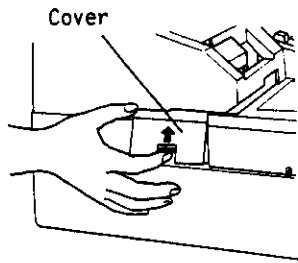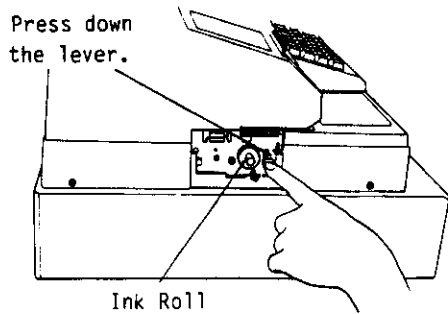
Ink Roll

Fig. 2

1. Turn the Power Switch to OFF.
2. Remove the cover located on the lefthand side of the cabinet, by lifting it up, as shown in Fig. 1.
3. Press down the lever, and withdraw the Ink Roll (Fig. 2).
4. Insert a new Ink Roll into the hole, push it all the way in, and push up the lever (Fig. 3).
5. Attach the cover, by inserting the top edge first and pressing the bottom part next. (Fig.4)

NOTE: The Ink Roll is a consumable product. Please order it to your TEC representative when necessary.

Lever

Push up.
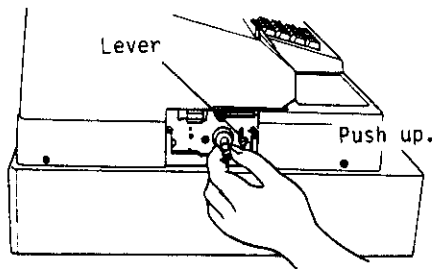
Fig. 3

Fig. 4

REPLENISHING THE STORE NAME STAMP WITH INK

When the store name stamp is printed too lightly, replenish the ink in the following manner.
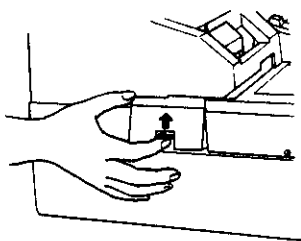
1. Turn the Power Switch to OFF.
2. To remove the cover, follow Step 2 above.
3. Withdraw the store name stamp with the protruding part pinched with your fingers. (Fig.5)
4. Apply ink on the pad on the rear side of the Store Name Stamp. The amount of the refilling should be adjusted according to the density of the printed message, but the limit of 2 cc should not be exceeded. (The ink bottle supplied contains 5 cc of ink.) (Fig. 6)
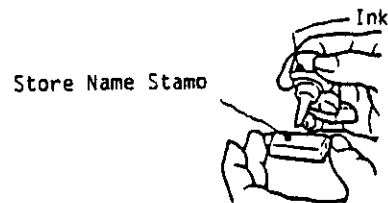5. Follow Step 5 above to attach the cover, after setting the stamp to the original position.

Store Name Stamp

Fig. 5

Ink

Store Name Stamp
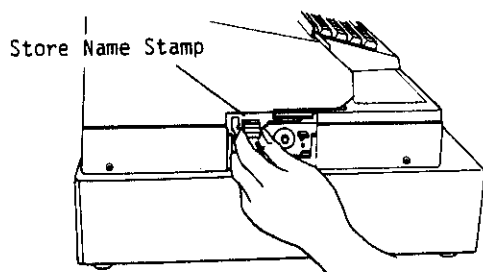
Fig. 6

Releasing the Drawer

The drawer opens automatically when a registration is made. In the event of a power failure or other troubles, the drawer can be opened in the following manner.

1) Insert the Drawer Release Key into the drawer release lock and turn the key 45 degrees clockwise. The drawer will now open. (Fig. 1)
2) The Drawer Release Key can be taken out by returning it to the original position.
3) When the drawer is closed, it is automatically locked and will not open without the Drawer Release Key.
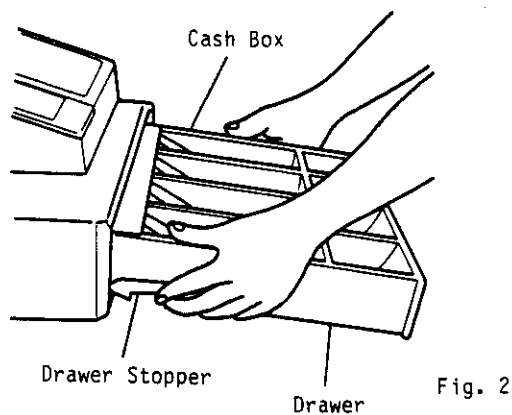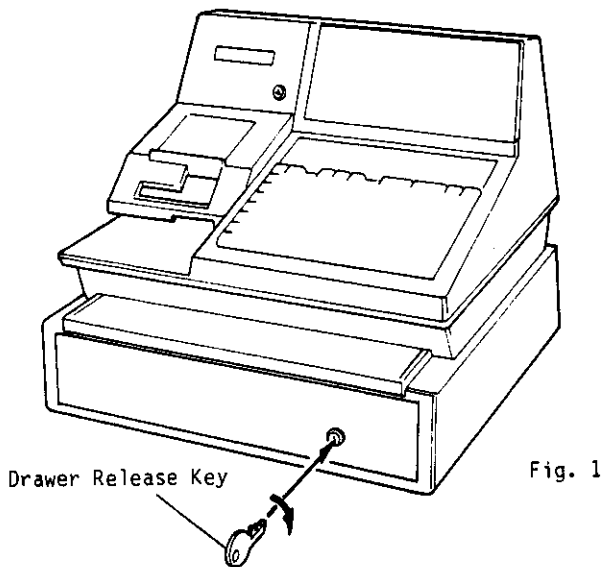
Removing the Drawer

1) To remove the drawer, lift it up by the stoppers attached on both sides and pull it out. (Fig. 2)
2) When installing the drawer, fit its rollers onto the rails of the register and push it all the way in. (Fig. 2) The coin case can be removed from the drawer, by lifting it up at the front.

Drawer Release Key

Fig. 1

Cash Box

Drawer Stopper
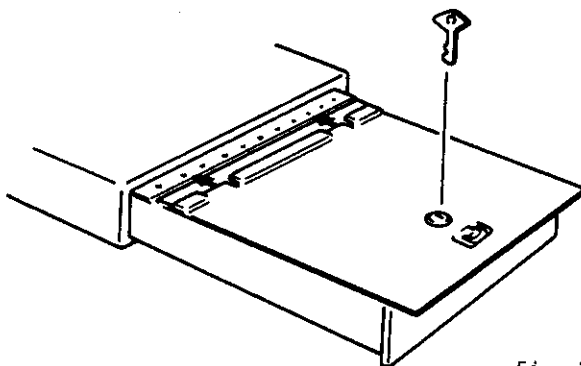
Drawer

Fig. 2

CDC (Cash Drawer Cover) LOCK (Fig. 3)

Locking

Push the Cash Drawer Cover to the drawer-end plate so that the arrowed parts of the cover go under and the rest parts go over the plate.

Press the cover lightly, insert the key into the key-hole on the cover, and turn clockwise. Now the cover is locked.

Opening

Fig. 3

Release the lock by the key, and lift up the cover tip.

RECEIPT AND JOURNAL PAPER END DETECTION

When the Receipt or Journal roll comes to the end, the detector autoamtically functions to inform the paper-end condition, by flickering the amount portion display (it also flickers when either paper roll is not set properly). In this condition, no other keys except [RF] and [JF] will be accepted.

In this case, replace the paper roll referring to the descriptions on pages 74 and 75. When the paper setting is completed, depress the [C] key on the keyboard. Now operations will be accepted. If a printout has been stopped halfway, it will also be continued. The [C] key will not be accepted before setting the paper.

WHEN A POWER FAILURE OCCURS ...

When the power is restored from a power failure, the register will display the last item entered before the power failure if the item was entered through a motorized key (such as [DEPT], media keys, etc.). In this case, continue the registering operation. However, if the register displays "FAIL" when the power is restored, it indicates that the last item entry was not completed (i.e., only numeric keys or a declaration key such as [RTN MDSE] were operated but no any motorized key). In this case, first depress the [C] key to clear the "FAIL" condition, and then do the registering operation again from the numeric or declaration key entry. In the event of a power failure, please be sure to check the receipt before it is handed to the customer.

HARDWARE OPTIONS AVAILABLE

The following hardware devices are available as options.

PLU KEYBOARD

It has 130 keys, each of which corresponds to a PLU code. By simply depressing a key, the "|PLU Code|→[PLU]" entry sequence is made. Thus it simplifies PLU operations and saves time. The PLU Keyboard will be connected to the ECR with a one-meter cable and may be placed on the check-out counter table near the ECR.

REMOTE SLIP PRINTER

By connecting it, required transactions will be recorded on the remote slip as well as on the receipt and the journal rolls.

SPECIFICATIONS

Size .... 460mm(width) x 413mm(depth) x 376mm(height)

Weight 20kg

Power Required .... AC 117V ± 10 % (Varies depending on the
                                                 destination.)

Power Consumed .... 0.5A at 117V

Ambinet Temperature .... $0^{\circ}C$ to $40^{\circ}C$, 10% to 90% RH